

Read by SEAMAN

ISSUED EVERY WEDNESDAY



# DRUG & CHEMICAL MARKETS

Established 1914

A Weekly Business Paper and Prices Current on  
Chemicals, Drugs, Colors, and Aromatics

VOLUME XIII

NEW YORK, OCTOBER 24, 1923

NUMBER 17

## GENERAL CHEMICALS



**T**HE very tangible advantage in buying  
*GENERAL Chemicals* is the dispatch  
with which your requirements are received from  
the nearest of the Company's coast-to-coast chain of  
plants and warehouses—and the intelligent and  
courteous treatment accorded you, whether you phone  
for a carboy, or write for a carload.

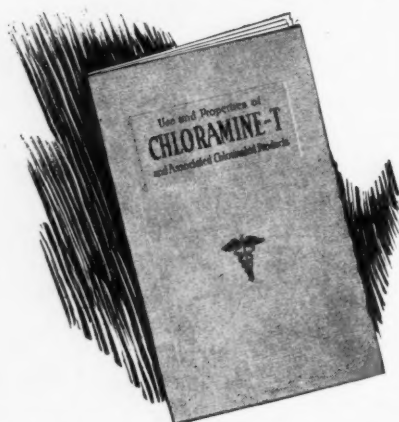
*You can "pin your faith" to  
GENERAL Chemicals*

**GENERAL CHEMICAL COMPANY**  
40 Rector Street, New York

BALTIMORE CHICAGO DENVER PHILADELPHIA PROVIDENCE  
BUFFALO CLEVELAND EASTON PITTSBURGH SAN FRANCISCO  
THE NICHOLS CHEMICAL CO., LTD., MONTREAL

**In This Issue** { *High Surtaxes Unproductive  
Lower Alkali Prices for 1924*

# CHLORAMINE-T



**D**EVELOPED and approved through the exigencies of the late war, the general applicability of this efficient but *non-toxic* anti-septic and germicide promises to eclipse that of all others.

*Our new booklet containing much interesting information regarding Chloramine-T will be mailed on request.*

## OTHER MONSANTO PRODUCTS

### MEDICINALS

ACETANILID  
ACETPHENETIDIN  
CAFFEINE

CHLORAL HYDRATE  
GLYCEROPHOSPHATES  
PHENOLPHTHALEIN  
SALICYLIC ACID

SODIUM SALICYLATE  
SALOL  
ACETYL SALICYLIC ACID  
(ASPIRIN)

### FINE CHEMICALS

COUMARIN

SACCHARIN

VANILLIN

### HEAVY CHEMICALS

SULPHURIC ACID  
MURIATIC ACID

NITRIC ACID  
MIXED (Nitrating) ACID

SALT CAKE  
ZINC CHLORIDE

### INTERMEDIATES

ACETANILID TECHNICAL  
ANTHRANILIC ACID  
ORTHO CHLOR PARA  
TOLUENE SODIUM SUL-  
FONATE

ORTHO NITRO CHLOR  
BENZENE  
PARA NITRO CHLOR  
BENZENE  
PARA NITRO PHENOL  
PHTHALIC ANHYDRIDE

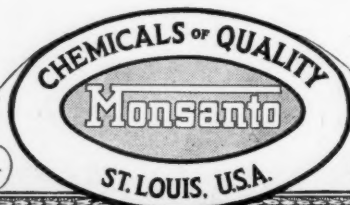
PARAPHENETIDIN  
SALICYLIC ACID TECHNICAL  
PARA TOLUENE SULFON  
CHLORIDE  
PARA TOLUENE SULFONIC  
ACID

### Monsanto Chemical Works

ST. LOUIS, U.S.A.

NEW YORK

CHICAGO



DOW

## *Why Use Dangerous Inflammable Explosive Solvents ?*

Why let habit continue your use of dangerous inflammable solvents?

Many discover they have long overlooked a worthwhile improvement when they try Carbon Tetrachloride.

Carbon Tetrachloride is a valuable extracting medium. It readily dissolves oils, grease, fats, resins and many other substances and is much used in rubber, leather and shellac manufacturing processes.

Here is a non-inflammable solvent and an extracting medium that is easily recovered from the air by being brought in contact with oil which will extract it from the air. Then, it may easily be re-distilled, owing to its low boiling point and its complete evaporation.

Try Carbon Tetrachloride. It is an efficient solvent—a remarkable dry-cleaning fluid, non-injurious to delicate materials as it is free from water, grease, etc., and leaves no residual odor upon evaporation. It is not only non-inflammable, but is a well-known fire extinguisher.

An Experiment with Carbon Tetrachloride may save you much money and remove useless dangers. Our research department is at your service without obligation.

### 80 OTHER DOW PRODUCTS

#### *All Standards of Purity*

Including

SALICYLATES  
VAT BLUE DYES  
HEAVY CHEMICALS  
CALCIUM CHLORIDE  
INSECTICIDES

Send your specifications

**THE DOW CHEMICAL COMPANY**DOW*Midland Mich USA*

90 West Street, New York City

Calco

## "THE LONG TIME PULL"

is much more important to  
us than the getting of any  
single order.

We know that to have your  
business over a period of  
years we must not only give  
you dyestuffs of quality but  
also handle your orders in  
a clean-cut fashion.

We are prepared to do this,  
and would appreciate an  
opportunity to share in your  
business.

*Write for samples and  
quotations on Calco dye-  
stuffs.*

**THE CALCO CHEMICAL COMPANY**  
**Bound Brook N.J.**

*New York Boston Philadelphia Chicago*

*Canadian Representative*

**DILLONS, LTD.**

**Montreal—Toronto**

ISSUED EVERY WEDNESDAY

## DRUG & CHEMICAL MARKETS

PUBLISHED EVERY WEDNESDAY BY

**DRUG & CHEMICAL MARKETS, INC.**

WILLIAMS HAYNES, President

IRA P. MACNAIR, Secretary F. F. BURGIN, Treasurer  
Publication Office

3 PARK PLACE, NEW YORK, U. S. A.

Telephone 0440 Barclay

Cable Chemmarket

Home Life Bldg., Washington, D. C.

80 Fenchurch st., London, E. C. 3.

19 Rue Auber, Paris

40 Gr-Burstah, Hamburg

18 Yamashita-cho Kyobashi-Ku, Tokyo

Entered as second-class matter, Dec. 7, 1914, at the post office at  
New York, N. Y., under the Act of March 3, 1879.

### SUBSCRIPTION RATES

United States, Cuba and Mexico \$4.00 a year; Foreign \$5.00 a  
year, payable in advance. Current Copies, 10 cents. Back Copies,  
25 cents. A Binder for this Journal @ \$1.00 Postpaid.

## Table of Contents

### EDITORIALS—

High Taxes Retard Industry .....	1097
A Little Sales Fable .....	1097
Not Helped by Price Cutting .....	1098
Many Men: Many Minds .....	1098

### FEATURE TRADE ARTICLE—

High Surtaxes Prove Unproductive. Present Laws Turn Capital From Industrial Enterprise, and Experience Shows That They Penalize Initiative. By Morris F. Frey, Assistant Treas- urer, Guaranty Trust Company of New York..	1099
--	------

### TRADE NEWS—

Allied Chemical & Dye Corp.'s Finances Analyzed .....	1105
Inland Distillers Explain The Request For Higher Freight Rates on Alcohol .....	1109
Java Increases Quinine Exports .....	1115

### MARKET REPORTS—

Heavy Chemicals .....	1102-1103
Intermediates and Dyes .....	1104-1105
The Oil Market .....	1106-1107
Fine Chemicals .....	1108-1109
Crude Drugs .....	1110-1111
Essential Oils .....	1112-1113
Foreign Markets .....	1114
Leather Chemicals .....	1117
Paper Chemicals .....	1119
Rubber Chemicals .....	1121
Textile Chemicals .....	1123

PRICES CURRENT .....	1124
IMPORTS AT NEW YORK .....	1151
WANTS and OFFERS .....	1154
BUYER'S GUIDE .....	1157
INDEX TO ADVERTISERS .....	1158

# MATHIESON Chemicals

## *The Mathieson Plan of Less-than-carload Distribution*

**T**O the small user of chemicals and to the carload consumer requiring emergency supplies, the Mathieson plan of less-than-carload distribution means price protection in times of local shortage, fresh materials of highest quality, prompt deliveries, and a direct relationship with the manufacturer.

In operation, the essential features of our plan are: (1) Our own warehouse stocks of "Eagle Thistle" products in the hands of our local distributors in all principal cities of the United States; (2) open price schedules arranged by us in the form of a mailing-card; (3) deliveries ex-warehouse by our distributors; (4) direct billing on our own forms; (5) direct collections.

You "Deal Direct with the Manufacturer" when you specify "Eagle Thistle" products, regardless of quantity or point of shipment. Let us prove to you the advantages of the Mathieson plan.

*The* **MATHIESON ALKALI WORKS Inc.**  
25 WEST 43<sup>RD</sup> STREET NEW YORK CITY

PHILADELPHIA  
PROVIDENCE

CHICAGO  
CHARLOTTE



**Deal Direct with the Manufacturer**

*Bicarbonate of Soda*  
*Liquid Chlorine-Caustic Soda*

*Sesquicarbonate of Soda*  
*Bleaching Powder-Soda Ash*

# Sodium Phosphate



*The  
Mark  
of  
Dependability*

PHOSPHORUS OXYCHLORIDE  
CARBON TETRACHLORIDE  
SODIUM PHOSPHATE  
ACETIC ANHYDRIDE  
SULPHUR CHLORIDE  
PHOSPHORIC ACID  
CAUSTIC SODA

Weather conditions do not affect our Sodium Phosphate. It is never mushy nor caked; always dry, granular. Its ease in handling without waste is therefore one of its dependable characteristics. The Warner brand assures also extreme purity and high solubility.

**THE WARNER CHEMICAL CO.**

**52 Vanderbilt Avenue, New York, N. Y.**

**Plants: Carteret, N. J.**

**Exclusive Sales Agents for Westvaco Chlorine Products,  
Inc., So. Charleston, W. Va.**



# BRUNZOL TERPOLIN

(A CONCENTRATED LIQUID SOAP)

**-SAVES TIME**  
**-SAVES SOAP**

Time-saving and material-saving are problems every textile man is constantly striving to conquer.

That is why Brunzol Terpolin is being set to work in additional mills every day.

Use it as you would ordinary soaps in the boil-off of worsted, woolens and silks. The solvents it contains penetrate the fibres more intensely than soap, and with less expense and time. Use it alone or with soap or caustic when scouring cottons, and with soap when scouring woolens and worsteds. In the boiling off of hosiery the goods are left cleaner and better for dyeing than when soap alone is used.

You'll find Brunzol Terpolin right on the job in kier boiling, too. With soap or caustic—in open or pressure kiers—it lops off at least 25% of the usual time and steam.

*If you are interested in saving send for descriptive circular*

**THE NEW BRUNSWICK CHEMICAL COMPANY**  
REPRESENTATIVES AT BOSTON - PROVIDENCE - CHATTANOOGA - ATLANTA NEWARK, N.J.





# ANNOUNCING

*Our readiness to contract on all forms of*

## BARRETT STANDARD POLAR BRAND NAPHTHALENE

*For Spring Deliveries*

FLAKE	BALL	POWDERED
RICE	GRANULATED	OUNCE CAKES

*Also CRYST ALBA—a specially selected crystal flake*

Standard package wood barrels—50-pound  
and 100-pound containers as required

The *Barrett* Company

40 Rector Street  New York, N. Y.

ISSUED EVERY WEDNESDAY

# DRUG & CHEMICAL MARKETS

3 PARK PLACE, NEW YORK

VOLUME XIII, NUMBER 17

[OCTOBER 24, 1923]

## HIGH TAXES RETARD INDUSTRY

A revision of the surtax rates is important to the Government because it will increase the revenue received from the investing class, and it is essential to industry because it will turn capital again into productive channels. It has been apparent to financiers, and is admitted by Treasury officials, that the surtaxes, in the revenue act are too high, and have proved unproductive. Receipts from surtaxes have decreased from \$800,000,000 in 1919 to \$450,000,000 in 1921, and an estimated total of only \$350,000,000 for 1922. Yet net incomes of all classes increased from about six billion in 1916 to nearly twenty-four billion in 1920. In 1916 the amount of incomes exceeding \$300,000 annually was nearly \$993,000,000, but in 1920 it had decreased to about \$246,000,000. Another significant fact is the decrease in the number of returns of incomes over \$300,000. The total number of returns in 1916 was 1,296 for the entire country; in 1920 the number was 395—only one-third.

These facts indicate the turn of capital to tax-exempt securities, the income from which need not be stated, and it is apparent that large sums were withdrawn steadily from industrial investments in order to escape the heavy surtax. It is pointed out in this issue of DRUG & CHEMICAL MARKETS that an investment of \$1,000,000 in 4 per cent bonds of a railroad company would yield \$40,000, but \$21,600 of the \$40,000 would be paid to the Government. If the holder sold his bonds and invested the proceeds in 4½ per cent municipal bonds his annual income would be \$38,070 net, nearly \$20,000 more than the investment in taxable issues. It is not surprising that the possessor of an income taxed under the higher rates of the surtax should withdraw his capital from productive enterprises. On account of the heavy surtaxes new undertakings are difficult to finance and industrial progress is checked. As stated by Mr. Frey in the article on "High Surtaxes Prove Unproductive" the man who contributes his brain, his energy, and his capital to productive enterprise is penalized.

## A LITTLE SALES FABLE

Here is a little true story of chemical sales that has more moral than many of the works of Aesop and La Fontaine.

Once upon a time—within the past thirty days—a certain well-established manufacturer called a certain chemical producer on the telephone and placed an order for a carload of a certain chemi-

cal. The buyer explained his distress for lack of this chemical, and urged all speed in shipping. The order was fully confirmed in writing and the seller used the long distance telephone to assure prompt shipment.

Somewhat less than twenty-four hours after this firm order for immediate shipment—quicker if possible—the buyer called up to cancel. He explained that he had found an odd lot nearby that could be bought for a fraction of a cent saving in freight. The goods having been specially shipped at the extra expense of overtime for loading the car, the seller refused to accept cancellation. The seller waxed so wrothy over this "high handed treatment" that he clean forgot that his own word was just about as good as the bond secured by a pail of dish water.

## COMPETITION IN BLEACHING POWDER

After openly announcing lower prices for bleaching powder for the last quarter of the year, a leading manufacturer has found it necessary to make still further reductions in order to meet competition and unsettled market conditions. Market conditions have not been running true to form this year and the Fall recovery has not materialized. Manufacturers of bleaching powder have found the usual dull summer period extending farther into the year than is usual and prices of bleaching powder have suffered as makers endeavored to liquidate their stocks as quickly as possible. It is well known that bleach is unstable in warm weather and in many cases it is possible that low prices did not represent standard bleach, 36-38 per cent chlorine.

While it is doubtful if any profit is being made at present selling prices of bleach, the law of supply and demand is an important factor in establishing the selling basis. Last winter practically every seller of bleaching powder was quoting firmly. With the arrival of warm weather in the Spring and a slackening in demand, many sellers found it convenient to reduce prices, slightly at first, then more sharply as competition for business became keen. Even before the open announcement of a still further reduction in prices for the last quarter it was evident that only a sharp cut could bring the published price to the level of competitors. With chlorine selling at 3½¢ to 4¢ lb. at the lowest for large quantities on contract, the chlorine in bleaching powder is worth 1¼¢ to 1½¢ lb.

At the present selling prices of bleach, it can be seen that this does not allow any large margin

of profit in manufacturing bleach. Yet bleach is selling at these figures, and for the time being consumers are reaping the benefit of a weak market and indiscreet selling competition.

With the arrival of colder weather and increased activity in the paper and pulp industries, conditions will no doubt improve and prices will be adjusted to meet the conditions. In the meantime, competition and disruption of prices has not benefitted the industry, and unless conditions improve there will probably be a marked reduction in bleaching powder manufacture.

#### NOT HELPED BY PRICE CUTTING

While price cutting may help to move stocks of chemicals at times, the real problem of controlling over-production lies deeper and requires a different method and more drastic action than merely lowering prices. Plants without proper management or facilities can be weeded out only by co-ordinated effort in the industry to produce products of better quality, by giving better service, employing better salesmen, and in every way convincing the consumer that goods of standard make are the only desirable products, and that it is for his interest to buy from producers who are making high grade material, packed in containers suitable for the purpose, and delivered according to contract. The poor product, insecurely packed, sold by misrepresentation, and oftentimes not adapted to the wants of the consumer will soon disappear from the market when in competition with reliable goods. In this way only can the incompetent manufacturer who is offering low grade material be induced to quit. The value of good salesmen, who are competent to help the consumer solve his manufacturing problems, is becoming more generally understood nowadays and their services are eagerly sought. When all the factors entering into the production, sale and distribution of chemicals are brought to the high standards which the leading companies have perfected the results will justify the labor and money expended. Until this is done the markets will be demoralized at intervals by price cutting and dumping.

#### EXPORTERS TO FIGHT PILFERAGE

A great number of packing cases have been devised with a view to reducing the chances of pilferage during transit. Some of these carry attachments which prevent the box being opened unless an entire side is ripped off. While thieves in the employ of transportation lines object to tackling packages that require so much "mending," they often take a chance when the contents are believed to be valuable, and rely on the defense that the box was torn apart at the time of loading. Complaints of losses, especially in export trade, have become so numerous and the effect upon foreign customers who find boxes loaded with bricks or old iron in place of the goods they bought is so threatening to American trade that the Transportation Division of the Department of Commerce has taken up the matter and is urging a united effort on the

part of shippers, transportation companies and insurance agents to suppress the evil.

Prevention is the keynote of the campaign now being waged against the pilferers. Heretofore, investigations followed the thefts, and while the detectives found the thieves in some specific cases, the few arrests made have not stopped the stealing. Insurance companies are the least able to protect themselves, but their co-operation is sought because high rates have been the result of heavy losses, and insurance adds to the cost of the goods shipped, placing the American exporter at a disadvantage in competition with manufacturers in other countries. Co-ordination of effort by all interests affected will result in effective means of cutting down the losses, but the pilfering cannot be eliminated without eternal vigilance on the part of steamship companies and rail carriers from the time the goods are placed in their possession until they reach their destination.

If any suspicion ever creeps into the heart of any successful executive that the principles of economics do not have a practical bearing upon every day business let him remember that the law of the land gives him the right to make a buyer take in goods ordered on a sales contract, but the laws of economics forbid him to do so. Which set of laws rules his transactions and his relationships with his customers?

#### *Many Men: Many Minds*

Everyone is an ultimate consumer, but not everyone is an original producer.—Shoe and Leather Reporter.

Edward J. Cornish's trip to Europe, while primarily for business, says the "Wall Street Journal," may be extended to include a trip to Egypt and the Holy Land. He and Mrs. Cornish constitute the largest single interest in National Lead Co. with combined holdings of close to 12,000 shares.

"It is certainly gratifying, under the circumstances to realize that the organic chemical industry has been firmly established in this country and that we are now independent of the world, so far as the essential products in dyestuffs, pharmaceuticals, photographic and organic chemicals in general are concerned."—Salmon W. Wilder, Merrimac Chemical Co., Boston.

Sir Alfred Mond, who returned to England recently after a trip to the United States, said: "The standard of living is very high. I should say that for the working man it is three times, certainly twice, as high as for the same men here. Where a man in England uses a bicycle an American has a motor car. That, I think, expresses the difference in a nutshell."

Francis H. Sisson, vice president Guaranty Trust Co., New York, who returned recently from a tour of the Continent, said the railroad problem of Europe, as well as every other problem, revolved about a settlement of the Ruhr. He said that once that matter was adjusted and Germany was back at work, there was hope for a great improvement in conditions. Russia will have an export balance before the end of the year, he said, and is already making some strides in the establishment of a more stable system of currency.

# High Surtaxes Prove Unproductive

## *Present Laws Turn Capital from Industrial Enterprise and They Penalize Initiative*

By MORRIS F. FREY,

Assistant Treasurer, Guaranty Trust Company of New York

A WEALTHY manufacturer is quoted as saying that he could retire from active business, invest his capital in tax-exempt securities, thus avoiding the high surtaxes, and net a far greater return on his capital than he now receives. This is readily understood when we consider that actuarial figures show that to taxpayers, subject to surtaxes in the highest brackets, securities subject to Federal income tax would have to yield about 10.40 per cent in order to provide the same net return as a 5 per cent tax-exempt security.

Existence of such a condition has a far greater significance than the mere fact that a certain class is avoiding taxes. It means that there is something radically wrong with our present system of income taxation, and that, unless steps are taken to remedy the condition, our system of graduated income tax may completely fail. No tax law which legally permits such extensive evasions can be justified on principle, and fundamental changes must soon be forthcoming if the income tax is to continue to be the principal source of revenue of the Federal Government.

### High Surtaxes Fail

Theoretically, the principle of the progressive income tax is sound. It is just and equitable that an individual possessing a large income should pay taxes at a higher rate than the individual with a small income. However, the rule of ability to pay should be applied within reasonable limitations, and not without giving due thought to practical considerations. The experience of the Treasury Department during the last few years has been that excessively high surtaxes have ceased to be productive and the law, in so far as it attempts to impose high surtaxes on the income of the large investor, has utterly failed in its purpose.

Statistics compiled by the Treasury Department for recent years, show that, notwithstanding the fact that the aggregate net income reported has been increased, there has been a remarkable decline in the larger taxable incomes. Receipts for several years from surtaxes have been steadily decreasing, from about \$800,000,000 for 1919 to about \$590,000,000 for 1920, and to about \$450,000,000 for 1921. According to the estimates of the Department, the total yield of all surtaxes in respect of business of the taxable year 1922 will not exceed \$350,000,000.



*In 1917, at the request of the Commissioner of Internal Revenue, Mr. Frey acted in an advisory capacity in connection with the promulgation of income and excess profits tax regulations under the 1917 law.*

*Following the recommendations of the Secretary of the Treasury, the Committee on Ways and Means of the House, at the last session, reported certain bills amending the income tax provisions of the Revenue Act of 1921. These amendments were designed to close up certain gaps which the Department felt were effectively used in the avoidance of taxes. One amendment in regard to exchanges of property held for investment was passed; the other, changing the law with respect to deductions on account of capital losses, failed to become a law. It seems unfortunate that Congress, while considering recommendations of the Secretary, should not have looked to the more important suggestion—the revision of the rates of surtax to a practical and productive level.—EDITOR.*

On the other hand, the figures of the Treasury Department show that while net incomes of all classes during the period from 1916 to 1920 increased from \$6,298,577,620 in 1916 to \$23,735,629,183 in 1920, and the number of returns increased from 437,036 in 1916 to 7,259,944 in 1920, the amount of incomes over \$300,000 decreased from \$992,972,986 in 1916 to \$246,354,585 in 1920, and the number of returns of incomes over \$300,000 decreased from 1,296 in 1916, to 395 in 1920. During the same period, investment income of all classes increased, while in incomes over \$300,000, investment income shrank from \$706,945,738 in 1916 to \$229,052,039 in 1920.

This marked decline in taxable incomes of over \$300,000 in the face of the increase in the aggregate investment income reported, would seem to indicate beyond any doubt, that the large investor is avoiding the tax on unearned income, thus leaving the excessive burden of high surtaxes to be carried by those whose incomes are the result of personal energy and industry.

### Closing the Gaps

The Secretary of the Treasury states, in his last report, that there are several avenues open for the large investor to avoid high surtaxes. One of these is the deduction of capital net losses. Another means of reducing surtaxes of the large investor is through a division of the taxpayer's property. This course is always open and probably cannot be restricted. The most effective avoidance, however, is in the investment of capital in tax exempt securities.

Undoubtedly, one of the defects in our present income tax law, the remedy of which is most urgent, is the lowering of surtax rates in the higher brackets. Although other changes may save to the Government certain taxes which otherwise would probably not be imposed, the big leak in the present law—investment in tax-exempt securities—which prevents the Government from receiving a large amount of taxes on unearned income of the large investor, remains unchecked.

Two remedies have been proposed for stopping the gap afforded by investment in tax-exempt securities: First, an amendment to the Constitution permitting the taxation of state and municipal bonds by the Federal Government, and, second, the reduction of surtaxes to a point which will make

investment in taxable issues attractive to the large investor.

According to the report of the Treasury Department, there are outstanding about \$11,000,000,000 of tax-exempt bonds, and such issues are increasing at the rate of about \$1,000,000,000 per annum. The proposed amendment prohibiting the issuance of tax-exempt bonds, if adopted, cannot become completely effective for some years. Furthermore, the amendment under its terms would apply only to future issues so that even if it should be ratified there will still be outstanding for investment a large volume of tax-exempt securities. Thus, the prohibition, though it may eventually eliminate the abuse, cannot effect a complete remedy, at once. If the defect is to be cured promptly, it must be by revision of the rates of surtax to a productive level.

#### Exempt Securities Attractive

Why should a taxpayer with a large income invest in securities upon which he will be compelled to pay a 58 per cent tax when investments are available which pay a fair rate of return and are exempt from all taxes? The advantages to the large investor of investment in tax-exempt securities are apparent. As stated above, billions of these bonds are now outstanding, and undoubtedly additional issues will be brought out in substantial amounts unless or until they are prohibited. It is now generally recognized that investments in tax-exempt bonds have been resorted to largely for the purpose of escaping the high surtaxes. The large investor will naturally continue to increase his holdings in such securities and no criticism can be directed toward him for investing his funds in a way which will produce the largest return consonant with safety. If Congress sees fit to enact laws which will result in making such securities more attractive from the point of view of the amount of the yield, such investments will be preferred to other investments upon the income return of which the same law reflects adversely.

The practical effect of investment in tax-exempt securities, both on the amount of tax paid and on the net return of income of an individual subject to surtaxes in the higher brackets, is illustrated in the following case:

An individual who has an income of \$100,000 a year from his business, owned \$1,000,000 par value of the 4 per cent bonds of the X Company, due in 1943. These bonds, on December 16, 1922, were selling on a 5 per cent basis, or at 87½. The gross income from this investment is \$40,000 per annum. This income, being subject to tax at the rates applicable to incomes between \$100,000 and \$150,000, the sum of \$21,600 of the \$40,000, or 54 per cent thereof (2 per cent normal tax being paid at the source), would be paid to the Government on account of income tax, leaving the taxpayer \$18,400 net on his investment.

If the taxpayer had sold his railroad bonds on December 16, 1922, and invested the proceeds thereof, namely \$875,000, in 4½ per cent municipal bonds, due 1943, selling on December 16, 1922, at 103.35 to yield 4.25 per cent, he would have obtained \$846,000 par value thereof, which would give him an annual income of \$38,070 net, or nearly \$20,000 more than the investment in taxable issues.

From the foregoing case, one may readily see the inducement offered the possessor of an income, large enough to fall within the higher brackets of the surtax, to invest his funds in tax-exempt issues. An investor certainly cannot be expected to purchase taxable issues, yielding 5 or 5½ per cent, which after the payment of tax, will leave him net from 2½ to 2¾ per cent on his

investment, when he may purchase high-grade non-taxables, yielding net from 4 to 4½ per cent. The avoidance of tax is made possible by a defective tax law.

#### Capital Diverted from Productive Enterprise

The present high surtaxes, aside from encouraging the large investor to avoid tax on unearned income, have their injurious effects. By the large investment of funds in non-taxables, industrial enterprises are deprived of capital which would otherwise be directed into such channels. Millions of dollars are being literally driven from productive enterprise by high surtaxes. Advantage of investment in tax-free securities, as compared with investment in mortgages, commercial bonds, etc., the income from which is subject to both normal and surtax, is shown by the following table. In each case \$40,000 is assumed to be invested in a tax-free security and, by comparison, the same amount in a taxable investment producing the same income after payment of income tax under the existing law:

Net income of Investor exclusive of that from the above investment	Net income from \$40,000 invested in 5% tax-exempt security	Necessary income from \$40,000 invested in taxable security to produce same net income as 5% tax-exempt security	Necessary Rate of interest of taxable security
Dollars	Dollars	Dollars	per cent
500	2,000	2,000.00	5.00
4,000	2,000	2,080.00	5.20
16,000	2,000	2,265.26	5.66
28,000	2,000	2,432.73	6.08
40,000	2,000	2,599.02	6.50
60,000	2,000	2,937.78	7.34
80,000	2,000	3,385.81	8.46
100,000	2,000	4,006.15	10.02
200,000	2,000	4,160.00	10.40
500,000	2,000	4,160.00	10.40
1,000,000	2,000	4,160.00	10.40

We can readily see from the foregoing how high surtaxes impede private financing, discourage investments in new enterprises, and increase the rate of interest on private securities.

Furthermore, under existing conditions, an exorbitant rate of tax is imposed upon the individual whose income is the direct result of his personal initiative, activity and industry. Not only is the excessively high progressive income tax curtailing funds available for investment in industrial enterprise, but it is driving men out of active business by overburdening initiative, energy, and business ability. In other words, the man who contributes his brain, his energy, and his capital to productive enterprise is penalized, whereas the large investor may be relieved from any of the burden of taxation by taking refuge in tax-exempt securities.

From the last few years' experience with the administration of the Federal income tax law, those who have been intimately associated with its practical application feel that higher surtax rates have completely failed to accomplish the purpose intended and have resulted in driving a large amount of capital to tax-free investments. Instead of reaching the unearned income of the wealthy investor, the high surtax rates have only imposed an unjust burden on the taxpayer whose income is the result of his personal activities and industry.

The reduction of surtaxes to a point which will attract the investor to taxable securities will more nearly equalize the burden on earned and unearned income by making more attractive to the investor, railroad, public utility and industrial bonds, the income from which is subject to Federal taxes. Any decrease in tax from earned income would, in all probability, be made up by the additional tax collected on investment income of the large investor and the net return to the Government would probably not be diminished.

# QUOTATIONS ON CHEMICAL STOCKS

Closing Prices for Week Ending Oct. 20

	Bid	Asked		Bid	Asked
Air Reduction .....	61	62½	Heyden Chem. ....	1	..
*Allied Chem. & D. 62½	63		Hooker Electro. ....	55	65
*Allied Ch. & D. pf. 106½	107½		Hooker Electro. pf. .	60	70
*Am. Ag. Ch. ....	12½	12½	*Household Products	30½	31
*Am. Ag. Ch. pf. ....	35½	35½	*Int. Agricult. ....	1½	1½
*Am. Chicle. ....	11	11½	*Int. Agricult. pf. .	7	7½
*Am. Chicle. pf. ....	40	49	*Int. Nickel. ....	11½	11½
*Am. Cot. Oil. ....	6½	6½	*Int. Nickel. pf. ....	76	79
*Am. Cot. Oil. pf. ....	19	19½	*Int. Salt. ....	76½	80½
*Am. Cyan. ....	63	65	*Mathieson Alk. ....	36	37
*Am. Cyan. pf. ....	73	75	Merck & Co. pf. ....	75	78
*Am. Druggist S. ....	6	6½	Merrimac. ....	96	..
Am. Glue. ....	82	85	Mulford Co. ....	29	34
Am. Glue. pf. ....	124	126½	Mutual Co. ....	150	..
*Am. Linseed. ....	16½	17½	*National Lead. ....	121	123
*Am. Linseed. pf. ....	33	36	*National Lead. pf. 111	113	113
*Am. Malt. ....	12	13	N. J. Zinc. ....	149	151
*Am. Zinc. ....	7½	8	Niag. A. pf. ....	96	100
*Am. Zinc. pf. ....	25	29	Parke, Davis & Co. 80	80½	80½
*Atlas Powder. ....	52	53	Penn Salt. ....	89½	90
*Atlas Powd. pf. ....	84½	90	*People's Gas. Chi. .	89½	90
By. Prod. Co. ....	67	72	Procter & Gamble. 124	128	128
Carborundum. ....	135	135½	Procter & Gam. pf. 102	106	106
Carborundum. pf. ....	115½	116	Royal Bak. Po. ....	123	130
Casolin Co. ....	60	65	Royal Bak Po. pf. .	98	100
Celluloid Co. ....	85	90	Sherwin-Williams. .	29½	..
Celluloid Co. pf. ....	105	110	Sherwin-W. pf. ....	101½	..
Ches. Mfg. ....	220	230	Stand. Ch. ....	90	100
Ches. Mfg. pf. ....	108	114	Swan & Finch. ....	27	30
Com'l Solv. A. ....	29	30	*Tenn. C. & Chem. .	8½	8½
Do B. ....	21	23	*Tex. Gulf. Sul. ....	56½	56½
*Corn Products. ....	123	123½	Union Carbide. ....	52½	52½
*Corn Products. pf. 115½	117		Union Sulphur. ....	..	..
*Davison Chem. ....	46½	47½	*Un. Drug. ....	76½	78
Dow Chem. non par. 46	47		*Un. Drug. 1st pf. .	47½	47½
Dow Ch. pf. ....	96	96	*Un. Dyewood. ....	40	45
Du Pont de Nem. 126½	127		*Un. Dyewood. pf. .	..	95
*Du P't de Nem. Db. 85½	87		Un. Gas Imp. ....	51½	53½
Eastman Kodak. ....	106½	106½	Un. Gas Imp. pf. .	56	..
Eastman Kodak. pf. 108½	109½		U. S. Gypsum. ....	75½	75½
*Freepoint Tex. Sul. 11	11½		U. S. Indus. Al. ....	50½	51
Freep. Tex. Sul. pf. 91	93		*U. S. Indus. Al. pf. 96	100	100
*Grasselli. ....	123	133	*Va.-Car. Ch. ....	7½	8
*Grasselli. pf. ....	102	105	*Va.-Car. Ch. pf. ....	23	23½
Hercules Powder. ....	104	110	*V. Vivaudou. ....	15½	16
Hercules Powd. pf. 103	107				

\*Listed on New York Stock Exchange

## Financial Notes

Chas. Pfizer & Co. have filed judgment for \$124.60 against American Medical Products Co., of New York.

Noxon Chemical Products Co., 475 Atlantic ave., Brooklyn, has obtained judgment against Carl Platon for \$13,742.79.

National Lead Co. has declared a quarterly 1¼ per cent preferred dividend, payable Dec. 15 to stock of record Nov. 23.

A judgment for \$1,257.54 against Branscombe Chemical Co., New York, has been obtained by U. S. Industrial Alcohol Co.

Channel Chemical Co., Chicago, has declared a dividend of \$1.50 share on class A common stock, payable Nov. 1 to stockholders of record Oct. 17.

Hills Mixture Corp., manufacturer of boll weevil poison, filed a voluntary petition in bankruptcy at Augusta, Ga., on Oct. 18, giving liabilities of \$568,739 and assets \$458,689. William S. Nixon is president and Sydney C. Jones, secretary.

International Salt Co. reports for the quarter ended Sept. 30, 1923, net earnings of \$328,561 after fixed charges and sinking fund, but before Federal taxes, compared with net of \$417,139 in the September, 1922, quarter. The total earnings after expenses, etc., were \$426,375, compared with \$516,569 for the quarter ended September 30, 1922.

Earnings of United States Industrial Alcohol Co., which are known to have been unusually good this year, will be further augmented as a result of the declaration of a quarterly dividend on the new stock of the Cuba Co. Industrial Alcohol owns in the neighborhood of 10 per cent of the 640,000 shares created under the plan for the revision of the Cuba Co.'s capital carried out several months ago, and the quarterly dividend of \$1 a share declared on the stock will net \$64,000.

Swedish Match Co. will consolidate its sales company and manufacturing companies operating in North America into one corporation to be known as the International Match Corp., according to Ivar Kreuger. As a preliminary step in the transaction, which will involve taking over the American sales company known as the Vulcan Match Co. and manufacturing plants operating in Mexico, Canada and several South American countries, it is planned to float an initial issue of \$15,000,000 of debentures. The new company has been incorporated under Delaware laws and will take over the capital stocks of companies operating forty-two plants.

Continental Can Co. reports for the eight months ended Aug. 31 last, net income of \$2,868,790 after reserve for depreciation and Federal taxes, and a surplus of \$2,031,424 after provision for preferred and common dividends. The company's balance sheet as of Aug. 31 shows total assets of \$36,811,799; accounts and bills receivable, \$7,337,304, and cash, \$1,701,174. Real estate, buildings and other property after depreciation were carried at \$11,981,176, and patents and good will at \$8,035,000. On the liability side notes and accounts receivable totaled \$6,505,027; reserve for taxes \$1,215,052, and surplus, including \$1,485,000 applied in redemption of preferred stock, \$5,257,220.

## New Incorporations

### Chemical Industry

Universal Chemical Co., Augusta, Me., 1,000 shares no par value. Chemicals. E. M. Leavitt, Frank E. Southard.  
Excelsior Chemical Co., San Francisco, Cal., \$100,000. Chemicals. O. W. Glauser, Emil Leuenberger, E. R. Tucker.  
Radium Compounds Corp., 1601 W. Chicago ave., Chicago, \$50,000. Chemicals. T. E. V. Curran and Vincent C. Daniels.  
Aquaseal, Inc., Newark, N. J., \$125,000. Chemicals. Richard Chippen, Ludwig M. and Francis L. Dieterich, 518 Broad st.  
Southern Alcohol and Denaturing Co., Lacoma & Manakin sts., Baltimore, Md., \$250,000. Industrial alcohol products. Walter Goldstein, Robert Simpson.  
Safety Mfg. Co., 188 Bergen ave., Jersey City, N. J., 1,000 shares of stock no par value. Chemicals. F. A. Wardell, Benjamin C. Hill, Milton L. Chapman.  
American Sulfur & Fertilizer Co., Dallas, Texas, \$500,000. A. Y. Yarrowburgh, J. A. Price.  
Keystone Chemical Products Corp., Wilmington, Del., \$100,000. Delaware Charters Co.  
Spencer Chemical Corp., New York, 450 shares preferred stock, \$100 each, 100 common no par value. R. A. Mayman, W. M. Malisoff. Attorney, J. E. Mayman, 1054 Park Place, Brooklyn.  
Galvanic Chemical Co., Wilmington, Del., \$500,000. Develop formulas. Corporation Registry Co.  
Powell-Ray Naval Stores Co., Jacksonville, Fla., \$125,000.  
Magnuson Products Corp., New York, 100 shares common, no par value. E. Magnuson, M. G. Kopf. Attorney, B. Butler, 41 Park Row.  
Mannoth Molybdenum Corp., New York, \$150,000. L. L. Wolfe, J. H. Fahy, J. L. Franck. Attorney, Briesen & Schrenck, 30 Church st.

### Consuming Industries

Federal Food Products Corp., Boston, \$99,000. Chas. M. Luden, Stella Levens, James S. Whitlock.  
Wm. J. Wischmann, Brooklyn, \$100,000. Confectionery. H. G. and I. M. Wischmann, L. S. Fowler. Attorneys, Battle, Vandiver, Levy & Vantine, 37 Wall st., New York.  
John D. Robnett & Sons, 4403 South La Salle st., Chicago, \$25,000. Soaps, soap powders. M. B. Becker, John D. Robnett, George R. Kent.  
Daygloss Varnish Co., Dover, Del., \$150,000. Manufacture. U. S. Corp. Co.  
Kalmanowitz & Miller, New York, \$100,000. Textiles. L. Kalmanowitz, I. Miller. Attorney, B. Ginzburg, 116 Nassau st.

## The Heavy Chemical Market

Current Spot Quotations of Heavy Chemicals, page 1130

### CAUSTIC SODA AND SODA ASH LOWER

**Contract Prices for 1924 Reduced by One Maker—  
Increased Production Makes Lower Prices Possible  
—Lower Prices for Copper Sulfate—Arsenic Strong  
on Scarcity—Acetone Oil Advanced**

#### PRICE CHANGES IN NEW YORK (Stocks in First Hands)

Advanced	
Arsenic, white, 1c lb.	Acetone Oil, 15c gal.
Declined	
Copper Sulfate, Dom., 10c 100 lbs. Soda, Caustic, 76%, Solid, Cont., Soda Ash, 58%, bags, Contract, 7c 100 lbs.	Sodium Prussiate, 3/4c lb.

#### Trend of the Market

	Today	Last Week	Last Month	Last Year	War Peak	Pre-War
Acetic Acid, Glacial....lb.	\$1.23 1/4	\$1.23 1/4	\$1.23 1/4	\$1.11 1/2	\$1.19 1/2	\$1.07
Sulfuric Acid, 66 deg. ton	15.00	15.00	15.00	14.00	55.00	20.00
Ammonium Sulfate, 100 lbs.	3.15	3.15	3.15	3.20	7.50	2.65
Bleaching Powder, 100 lbs.	1.25	1.25	1.75	2.00	9.50	1.50
Copper Sulfate, 100 lbs.	5.90	5.00	5.00	5.00	20.00	4.50
Potash Caustic, imp....lb.	.07	.07	.07 1/4	.06 1/2	.87	.08
Soda Ash, 58 p.c....100 lbs.	2.00	2.00	2.00	2.00	3.50	.60
Caustic Soda, 76 p.c.100 lbs.	3.70	3.70	3.70	3.70	9.50	1.42
Potassium Bichromate ..lb.	.09 1/2	.09 1/2	.09 1/2	.10	.65	.06 1/4
Sodium Prussiate .....lb.	.13 1/4	.13 1/4	.13 1/2	.23	1.25	.18
Average .....	3.046	3.046	3.106	3.067	10.79	2.99

The most important event in the market during the week was the announcement of lower prices by one maker of soda ash and caustic soda for contract deliveries over 1924. The announcement came as a surprise since it had been expected that the prices which have prevailed during the past two years would remain in effect. Quantity production made possible by the increased consumption of alkalis is understood to be the reason for giving consumers the benefit of slightly lower prices.

Aside from this feature business has been somewhat routine in nature with the volume of business holding up fairly well and little in the way of excitement. Arsenic has been steadily growing stronger as supplies become increasingly difficult to obtain. Offerings are small on spot and foreign material is too high to interest buyers. Domestic copper sulfate is lower as copper metal continues easy. Zinc products are firmer on higher metal prices. Bleaching powder is at the low level established last week. Sulfuric acid is moving steadily. Bichromates are unchanged. Prussiates are quiet and easy. Sal ammoniac is firm. Acetone oil is scarce and higher. Barium compounds are firm.

**Acid, Acetic**—Some sections are taking supplies steadily, while others are quiet. Prices are unchanged with makers quoting the schedule, 28%, \$3.38@\$.3.63; 56%, \$6.75@\$.7.00; 70%, \$8.38@\$.8.63; glacial, \$12.78@\$.13.53.

**Acid, Muriatic**—Demand should show improvement as stocks are reported increasing. Prices are steady at \$1.00@\$.1.10 for 20° in tanks and \$1.25@\$.1.50 in carboys; 22°, \$1.75@\$.2.00 in carboys.

**Acid, Oxalic**—Makers continue to quote 11 1/4c/lb. at works while spot prices range from 12c@12 1/2c/lb. according to seller and quantity.

**Acid, Sulfuric**—Demand for this acid continues steady and in good volume. Prices show no change from recent quotations with 66° in tanks named at \$15.00@\$.16.00 in tanks at works; in drums, \$1.10@\$.1.25; car-

boys, \$1.25@\$.1.50; 60° acid, \$9.00@\$.10.00 in tanks. Oleum continues in limited supplies at \$18.00@\$.19.00 ton in tanks and \$1.50@\$.1.75 in drums.

**Acetone**—Acetone oil has been advanced to \$1.25@\$.1.30 per gallon. Stocks have been scarce and demand increasing steadily. Methyl acetone at \$1.17@\$.1.20 gal. in drums, \$1.15 in tanks. C. P. acetone, 25c@25 1/2c/lb.

**Alums**—Have been moving in better volume with supplies improving. Quotations are unchanged with ammonia alum at \$3.50@\$.3.65; potash, 3c@3 1/4c/lb.; chrome, 5 1/2c@6c/lb.

**Ammonium Chloride**—Has been active and prices are firm at 6 1/2c@7c/lb. for the imported white. Shipment prices are named at 7c/lb. Domestic white at 7 1/4c@8c/lb. Gray, 7c@8c/lb. Lump is higher at 14c/lb.

**Ammonium Sulfate**—Little improvement has been noted and prices are holding at \$3.00 for bulk at works, \$3.15 in bags, and \$3.40 for f.a.s. Foreign material reported obtainable at \$3.30, c.i.f. Atlantic ports.

**Arsenic**—Demand has been active but supplies are stated to be limited on spot and prices have advanced. Sellers have been asking 13 1/4c@13 1/2c/lb. this week. Shipment prices from Germany are reported at 13 1/4c@14c/lb. No offerings are reported from Japan. Consumers have been purchasing more freely as prices continue to advance.

**Barium Products**—Chloride is holding at \$82.50@\$.85.00 ton for imported and \$88.00 for domestic. Carbonate continues firm at \$75.00 for imported and \$70.00 for domestic at works. Nitrate, 7 1/2c@8c/lb.

**Bleaching Powder**—Practically all sellers are on the basis of \$1.25 for Oct., the price recently announced by one maker. Nov. and Dec. shipments named at \$1.50. Seasonal demand has been slow in recovering but improvement over summer buying is reported.

**Copper Sulfate**—A good week in sales was reported by producers. Prices are easier, owing to the decline in copper prices. Carlots are quoted at \$4.90 on spot and smaller quantities up to \$5.10. Imported, 4 1/2c@5c/lb.

**Copperas**—Steady at \$20.00@\$.21.00 in bulk and \$23.00 in bags. Barrels, \$25.00. Supplies sufficient for present demands.

**Glauber's Salt**—Consumers have been taking increased supplies and buying in general has improved. Prices range from \$1.30@\$.1.75 according to quantity for domestic material. Imported named at 85c@95c according to seller.

**Potash, Caustic**—The domestic producer has not been quoting. Imported is slightly firmer though quotations range from 7c@7 1/4c/lb. according to seller and quantity. Foreign producers are higher in their views and shipments are stated to be 7c@7 1/4c/lb.

**Potassium Bichromate**—Buying has shown a little improvement on spot and for contracts. Competition continues keen with prices holding at 9 1/2c@9 3/4c/lb.

**Potassium Carbonate**—Somewhat easy on lack of demand. Calcined, 80-85%, 6 1/2c@6 3/4c/lb.; hydrated, 6 1/2c@7c/lb.; 90-95%, 6 3/4c@6 3/4c/lb.; 96-98%, 6 3/4c@7 1/4c/lb.

**Soda Ash**—One maker has announced a reduction in prices for deliveries on contract over 1924. Increased business is stated to be the reason for quoting lower prices. New prices name 58% light ash in bags at \$1.38

per 100 lbs., and dense, \$1.45, compared with \$1.45 and \$1.51. Ex-warehouse business, N. Y., named at \$2.00 in bags and \$2.25 in barrels.

**Soda, Caustic**—Lower prices for contract deliveries for 1924 announced by one producer. Carlots of 76% in drums named at \$3.10, a decline of 6½c. Increased production is said to have justified a slight reduction in prices. Other makers are quoting former prices. Dealers name: small lots at \$3.70@3.85 according to quantity, ex-store. Export prices named at \$3.00@3.25 depending upon the sale.

**Sodium Bichromate**—Competition continues active and business is reported to be improving gradually. Prices holding at 7½c@7¾c/lb. depending upon seller and quantity.

**Sodium Prussiate**—An easy tone still prevails and sales are being made at 13clb. though most sellers quote 13½clb. for imported. Domestic named at 14clb.

Magnus Co., of Jersey City, N. J., must pay \$6,000 awarded by the Hudson County Court to Mrs. Catherine Maher, mother of sixteen-year-old Michael Maher, who was killed in March, 1922, while playing with a stick of phosphorus. The verdict has been upheld by the Supreme Court of New Jersey against the appeal of Magnus Co. Testimony offered in the lower court charged the Magnus Co. was guilty of negligence, in permitting the phosphorus sticks to be left unguarded near the plant.

No advance in prices for German potash in the United States will occur, said E. K. Howe, president Potash Importing Corp. of America, distributors for the German Potash Syndicate, on his return from Germany, last week. If any change in price is made, he predicted, a reduction is more probable than an advance. Mr. Howe thinks the French will never surrender the Ruhr district.

Biederman du Pont, father of United States Senator T. Coleman du Pont, died at his home near Wilmington, Del., on Oct. 22. He was 86, and was a member of the third generation of the du Pont family of Delaware. For many years he lived in Kentucky, where he was interested in paper mills, street railways and coal mines.

Thomas K. Stewart & Co., 90 West St., New York, have been appointed Eastern sales agents for Western Chemicals Inc., Los Angeles, Cal., who are operating large deposits of potash alum. A shipment is now en route for New York and will be followed by regular weekly consignments.

John C. Wiarda & Co., Brooklyn, have been awarded the contract by the Bureau of Supplies & Accounts, Navy Department for furnishing 10,080 pounds of technical muriatic acid for the Puget Sound, Wash., navy yard at \$772.80. Bids were opened on Oct. 9.

American Zinc & Chemical Co., St. Clairsville, Ohio, will construct an addition to its local sulfuric acid plant, to be devoted to the production of lithopone, estimated to cost \$250,000, complete. Employment will be given to about 200 operatives.

Protest by Wing & Evans against the duty assessed on muriate of ammonia packed in two-pound packages was upheld by the Board of U. S. General Appraisers and assessed at ¼ cent per pound instead of 20 per cent ad valorem.

A block of 7,500 shares of stock of Michigan Salt Works was sold at 14 Vesey st., New York, for \$50.

# SOLVAY FIXES LOWER ALKALI PRICES

Wing & Evans, Inc., Sales Division of Solvay Process Co., have announced contract prices on alkalis for 1924. The new schedule shows a reduction of 6c, 7c and 8c per 100 lbs. on soda ash, depending upon the grade and packing, and 6½c and 10c per 100 lbs. on caustic soda, depending upon the grade. The schedule follows, together with prices which have ruled during the last two years:

CONTRACT PRICES		
	New Price per 100 lbs., flat	Old Price per 100 lbs., flat
Light 58% Soda Ash, in bulk.....	\$1.25	\$1.33
Light 58% Soda Ash, in bags (300-lb.).....	1.38	1.45
Light 58% Soda Ash, in barrels.....	1.69	1.69
Spot carload price, 5c per 100 lbs., higher.		
Dense 58% Soda Ash, in bulk.....	1.35	1.42
Dense 58% Soda Ash, in bags.....	1.45	1.51
Dense 58% Soda Ash, in barrels.....	1.69	1.75
Spot carload price, 5c per 100 lbs., higher.		
Solid 76% (actual test) Caustic Soda, in standard drums.....	3.10	3.16½
Ground, Flake and Powdered 76% (actual test) Caustic Soda, in standard drums.....	3.50	3.60
Solid 74% (actual test) Caustic Soda, in standard drums.....	3.02	3.08
Spot carload price, 10c per 100 lbs., higher.		

Above prices are for carload quantities under contract, f.o.b. maker's works.

# OPPOSE HIGHER SODIUM NITRITE DUTY

(Special to DRUG & CHEMICAL MARKETS)

Washington, D. C., Oct. 24—In a brief filed with the U. S. Tariff Commission in opposition to the application of American Nitrogen Products Co., of Seattle, for an increase of duty upon sodium nitrite, DeVries and Doherty, of New York, say in part:

"Sodium nitrite is a raw material chiefly used in the manufacture of Azo dyes; by paragraph 27 and 28 Congress has indicated an intent to especially protect and foster the dye industry in the United States. Any increase in this rate of duty is, therefore, in direct violation of that expressed purpose of Congress. It should be particularly noted in this particular that Congress in paragraph 27 has selected and set out for special rates of duty those raw materials for dyes deemed necessary by Congress the subjects of special duties, but, that Sodium Nitrite provided for in paragraph 83 is not one of these. Any increase of duty upon sodium nitrite will result in increased burdens upon the dye manufacturers in violation of the 'express purpose intended by this Act'."

# AMERICAN CYANAMID OWNED BY DUKE

Benjamin N. Duke, who recently purchased Virginia-Carolina Chemical's holdings of American Cyanamid, now controls the latter company with approximately 45,000 shares of the common out of 65,000, says Adams in the Boston News Bureau. I do not believe the stock will be listed, as with Mr. Duke holding so much of it, the market will not be sufficiently distributed to allow its entry upon the big exchange.

Mr. Duke is very shrewd in his purchases and he has long been a heavy holder of American Cyanamid. When it was announced that he had paid between \$1,500,000 and \$2,000,000 for the Virginia-Carolina Chemical holdings there was a scramble to buy Cyanamid stock, but there was so little of it around that a few hundred shares advanced it from 64 to 78½ in short order. I hear the dividend will be increased to 6 per cent at the next meeting.

Seminole Phosphate Co., Goldsboro, N. C., was declared insolvent recently and is now in the hands of receivers.

## The Intermediate and Dye Market

Current Spot Quotations for Intermediates, see Chemicals, page 1128

### SPOTTY DEMAND FOR INTERMEDIATES

**Continued Dullness in Dyes Affects Intermediates—Prices Holding Quite Steady—Para-nitraniline Offered Lower in Some Quarters—Benzene and Solvent Naphtha Easier—Orders Placed for Naphthalene for Future Delivery**

#### PRICE CHANGES IN NEW YORK (Stocks in First Hands)

Advanced		Declined	
Pyridine, 25c gal.		Naphtha, Solvent, 1c gal.	
Benzene, 90%, 1c gal.			

Trend of the Market						
	Last Today	Last Week	Last Month	Last Year	War Peak	Pre- War
Benzene, pure .....gal.	\$.23	\$.23	\$.24	\$.30	\$1.10	\$.23
Naphthalene flake .....lb.	.06½	.06½	.07	.07	.16	.03
Phenol, Spot .....lb.	.25	.25	.26	.26	1.50	.08
Toluene, pure .....gal.	.25	.25	.26	.30	..	..
Aniline Oil .....lb.	.16	.16	.16	.16	1.40	.10½
Alpha-naphthylamine ..lb.	.35	.35	.36	.30	1.25	..
Benzaldehyde .....lb.	.75	.75	.75	.55	..	..
Betanaphthol, dist. ....lb.	.21	.21	.21	.22	1.50	.08
Dimethylaniline .....lb.	.40	.40	.40	.32	1.30	..
Paranitraniline .....lb.	.74	.74	.74	.72	1.58	.18
Average .....	.342	.342	.346	.320	..	..

Demand for intermediates and coal-tar products has been spotty in character during the present month. Early in the month a good improvement in business was reported but the past week has shown little activity. The continued dullness in dyes naturally affects intermediates, but even under present conditions intermediates are reported in better demand than dye-stuffs. Dye makers have only been taking enough for immediate requirements and usually the orders are confined to small quantities to prevent supplies from accumulating. Prices, on the whole, have been holding steady, and except for occasional resale lots in the market there has been little change in prices. Para-nitraniline is offered under the market, but most makers are firm in their old prices. Beta-naphthol is little heard of in resale and little is being offered. Coal-tar crudes are in adequate supply and prices are less stable than intermediates. Motor benzol has been reduced. Solvent naphtha is easier. Phenol is holding at recent decline. Cresylic acid demand has fallen off. Dealers are beginning to place orders for flake naphthalene for forward deliveries. Pyridine continues scarce and high.

#### Coal-Tar Crudes

**Benzene**—Producers are quoting lower prices for the 90% grade at 21c per gallon. Pure remains at recent declines at 23c@24c per gallon in tanks and 28c@30c in drums. Demand from industrial centers is not active and supplies are sufficient for present consumption.

**Cresylic Acid**—Demand appears to have dropped somewhat and supplies are in somewhat better volume. Prices show no change and are named at 83c@85c per gallon for 97-99%. Dark, 95%, quoted at 75c per gallon.

**Naphthalene**—Dealers are beginning to place orders with manufacturers for supplies to be delivered for the Spring trade in flake naphthalene. Makers are quoting 6½c@7c lb. for flake and 7½c@8c lb. for balls. Dye-stuff naphthalene is in quiet demand at 5½c@6c lb. for the chipped and crushed.

**Phenol**—Supplies are in somewhat better volume and prices are holding at recent market level. Makers are

quoting 26c@28c lb. Open market prices are quoted at 26c lb. with occasional orders slightly under this figure.

**Pyridine**—Has become very difficult to obtain and spot prices are around \$6.00 per gallon but no one is in a position to offer. Shipments from abroad are also difficult to obtain and quotations range from \$4.50@5.00 according to position.

**Toluene**—No change with demand somewhat slow and prices holding at 25c@26c in tanks and 30c@32c in drums.

**Xylene**—Supplies are in better volume but demand has become routine. Prices are quoted at 50c@55c per gallon for 3° material.

#### Intermediates

**Acid, Anthranilic**—Routine demand at unchanged prices. Technical, 96c lb. and refined, \$1.20 lb.

**Acid, Broenner's**—Dull with makers quoting \$1.55 lb.

**Acid, Cleves**—Named at \$1.00@1.10 on quiet demand.

**Acid, Gamma**—Unchanged at \$1.70@1.80 lb. and buying inactive.

**Acid, H**—Fair movement is reported but spotty in character. Prices holding at 75c@80c lb.

**Acid, Laurent's**—Quoted at 90c lb. on routine demand.

**Acid, Neville & Winthers**—Occasional lots moving but on the whole, quiet at \$1.10 lb.

**Acid, Salicylic**—Makers continue to quote technical at 32c@33c lb. with no great demand at present.

**Alpha-naphthylamine**—Holding steady at 35c@37c lb. and demand confined to actual requirements.

**Aniline Oil**—Makers are unchanged at 16c@17c lb. according to quantity. Buying has shown no marked improvement. Aniline salt named at 23c@24c lb.

**Benzaldehyde**—Holding at 75c@80c lb. for the technical. Demand has been fair and supplies keeping abreast of consumption.

**Benzidine**—Prices range from 80c@84c lb. according to seller and quantity. Consumers are only taking small quantities for immediate requirements.

**Beta-naphthol**—While some buying is taking place it has not yet reached any volume. Supplies are easily meeting present demand. Prices range from 21c@23c lb. as to seller and quantity.

**Chlorobenzene**—Mono is named at 9c@11c lb. depending upon the quantity.

**Diethylaniline**—Routine demand with prices holding at 60c@65c lb.

**Dimethylaniline**—Buyers only taking actual requirements and usually in small lots. Prices remain steady at 40c@42c lb. according to quantity in drums.

**Diphenylamine**—Steady at 48c@50c lb.

**Meta-toluylenediamine**—Quiet at 89c@90c lb.

**Nitrobenzene**—Makers steady at 9c@9½c lb. for crude and 9½c@10c lb. for redistilled.

**Ortho-toluidine**—Fair activity is reported at 16c@18c lb.

**Para-nitraniline**—Makers quoting 74c@75c lb. though material is also offered at 69c@70c lb. in some quarters.

**Para-toluidine**—Unchanged at 85c@90c lb.

**R-Salt**—Steady at 55c@70c lb. on routine demand.

# GERMAN DYES SCARCE, SAYS METZ

## Sees End of Research Work—Comments on Chemical Foundation Suit

Herman A. Metz, who returned from Germany on the Aquitania, which arrived Friday, last, predicted complete shutdown of all German industrial plants. German dye plants, Mr. Metz said, were operating on a curtailed schedule, and that colors available are not wanted here. Consequently few German dyes were coming into this country at the present time, he said, and that so far as the Germans were concerned, the American market was closed.

Raw materials, fuel, and labor costs are so high in Germany, Mr. Metz said, that German dye plants could not continue to operate long. Their export trade, he said, had been almost completely shut off by the 26 per cent French tax. What little business German dye men are doing he said is concentrated on the Far Eastern market. Even if this country had no tariff, Mr. Metz said, the American dye industry would be able to compete on most colors, regardless of German competition.

Possibly the greatest damage to the German chemical industry, Mr. Metz felt, was the halt which the present chaotic condition had called on research work. Many experiments already started, he said, had of necessity been dropped, and in this work he saw the German dye and chemical industry crippled for the future.

Mr. Metz said he had heard what was said about him during the Chemical Foundation suit while he was abroad, and his reply was that he was raised in the country and heard early in life that there was no use "kicking a skunk."

Sales of The Barrett Co. are more than gratifying, says "Financial America." Export orders are being booked at a high rate and invoices for deliveries in the next four months are said to be unusually large because of conditions in the coal industry. The Barrett Co. is finding an increasing market in Europe for binding material used in the manufacture of briquettes. One of the company's products has been found to be well suited for this purpose and in view of the unsettled conditions in the coal industry, with prevailing high prices, participation in the coal substitute business is proving advantageous.

The Board of U. S. General Appraisers holds that hydron yellow N.F. paste is competitive in the case of an appeal by H. A. Metz & Co. The decision is in effect that while the imported dye has other uses than the domestic dye, the imported will displace the domestic article.

"Dyestuffs," published by National Aniline & Chemical Co., New York, has issued an advance number for exhibitors at the International Textile Exposition, Boston, Oct. 29 to Nov. 3. It contains original articles on dyeing the various textiles to be displayed at the show.

Germany is reluctant to supply Russia with dye intermediates but is willing to supply the finished colors. Before the war Germany owned factories in Russia which produced dyestuffs from imported German intermediates.

Czechoslovakia has applied to the French command in the Ruhr, according to reports, to confiscate a further quantity of German dyestuffs due Czechoslovakia as non-delivered reparations.

# ALLIED CHEMICAL AS SEEN IN WALL ST.

## Company in Sound Financial Condition, Says Magazine Writer—Business Good With Most of the Constituent Companies—Sharp Competition in Dyestuffs

Referring to the constituent companies of Allied Chemical and Dye Corp. and explaining the products manufactured by each, Frederick Lewis in an article in "The Magazine of Wall Street" comments as follows on the finances of the company:

"The balance sheet of Allied Chemical & Dye Corp. makes a very pleasing exhibit. As of Dec. 31, 1922, the company had a working capital of \$72.5 millions with ratio of current assets to current liabilities 6 to 1. Cash and marketable securities on hand totalled \$35.4 millions. This represents a very strong financial position. At the present time, the outlook is for a fair amount of business next year. No boom is to be looked for, but on the other hand there is nothing to indicate that there will be any important falling off in earnings. No earnings have been given out by the company covering operations for the current year, but it is understood that the present dividend rate of \$4 per share per annum will be covered by a substantial margin.

"The seven per cent cumulative preferred stock is entitled to a high investment rating for the funded debt is negligible and working capital of the company alone is nearly twice the amount of the preferred stock outstanding. This company's industry is a basic one and it is difficult to see how any contingencies could arise that would seriously affect the investment position of this stock. At present price of 105 to yield 6.6 per cent the stock offers a good investment opportunity. At present price of around 60, the common stock is 20 points below its high of this year and over 30 points below its high of 1922.

"The Barrett Co. has enjoyed very handsome earnings as a result of the great activity in the industry. While it is true that the building business has probably passed the peak, the outlook is sufficiently good at this time to assure fair earnings for The Barrett Co. next year. An equally important factor in the affairs of Allied Chemical is the General Chemical Co. which has shown a substantial earnings power for a long period of years.

"Another important unit of the parent company is the National Aniline & Chemical Co. Of course, this company is not in a position to make the large profits that it could make when foreign competition was shut out, but it has developed an efficient organization and many of its products continue to have a good market. German competition has been felt principally in certain special colors and in fast colors. The tariff places a duty on the finished products of 60 per cent of the American valuation, but despite this high duty the German product can, in many cases, undersell the domestic article.

"Semet-Solvay Co. is the chief builder and operator of by-product coke ovens in the United States. Solvay Process Co. is the largest manufacturer of alkali products and operates by-products coke ovens. The by-product coke oven business has developed in the past decade as rapidly as any industry in the country and the outlook is for continued growth."

American Dyewood Co., expects to open its new plant at Mobile, Ala., about Jan. 1. The plant will employ 200 men and consume about 200 tons of wood daily. The company also has a plant at Chester, Pa.

The Barrett Co., New York, has obtained judgment against Daniel J. Murphy for \$1,323.55.

## The Oil Market

Current Spot Quotations of Oils, Tallows, Greases, page 1145

### LINSEED OIL EASIER FOR FUTURE

**Declining Market in Flaxseed Has Weakening Effect—Chinawood Oil Slightly Lower—Corn and Soya Bean Oil Higher—Cottonseed Oil Stronger—Cod Oil Continues Scarce—Turpentine Lower**

#### PRICE CHANGES IN NEW YORK (Stocks in First Hands)

Advanced	
Cod Oil, N.F., 2c gal.	Cottonseed Oil, P.S.Y., 1c lb.
Corn Oil, crude, 1/2c lb.	Lard Oil, Prime, 1/2c lb.
Cottonseed Oil, Crude, 1/2c lb.	Oleo Oil, 1/2c lb.
Soya Bean Oil, crude, Coast, 1/2c lb.	
Declined	
Chinawood Oil, 1/4c lb.	Stearine, Oleo, 1/4c lb.
Greases, 1/2c lb.	Turpentine, 3c gal.
Linseed Oil, futures, 1c@4c gal.	Rosins, 5c unit.

#### Trend of the Market

	Today	Last Week	Last Month	Last Year	War Peak	Pre-War
Cod Oil, N. F.....gal.	.70	.68	.65	.54	\$1.26	\$.36 1/2
Degras, American, bbl..lb.	.03 3/4	.03 3/4	.03 3/4	.04	.25	.03 1/2
Lard, No. 1.....gal.	.79	.79	.86	.76	2.90	.92
Menhaden, crd., bbls.gal.	.50	.50	.42 1/2	.40	1.20	.33
Neatsfoot, 20 deg. ct.gal.	1.24	1.24	1.22	1.35	3.45	.95
Red Oil, distilled.....lb.	.00 1/2	.00 1/2	.00 1/2	.12	.17	.07
Stearic Acid, T.P.....lb.	.14 1/2	.14 1/2	.14 1/2	.12	.33	.12
Coconut Ceylon, bbls.lb.	.10	.10	.10	.08 1/2	.90	.24
Cottonseed, crude, tks.lb.	.09 1/2	.09	.07 1/2	.07 1/2	.25	.08
Linseed, carlots.....gal.	.95	.95	.90	.80	1.88	.57
Olive, denatured.....gal.	1.10	1.10	1.10	1.15	4.50	1.05
Peanut, refined.....lb.	.15 1/2	.15 1/2	.15	.12 1/2	.30	.08
Soya Bean, bbls.....lb.	.11	.11	.11	.12 1/2	.19 1/2	.07
Average .....	.460	.459	.453	.443	1.30	.362

Business in fixed oils showed little change from that of the previous week. Consumers have been uninterested during the past few weeks, apparently having sufficient stocks on hand for present activity, or only taking enough for their immediate requirements. While a few changes have been noted, prices have been steady. Scarcity in a few items such as cod oil, corn oil and soya bean oil have made these items stronger. Linseed oil has an easier tendency with futures quoted at lower prices and flaxseed prices declining. Early estimates of a large flaxseed crop in Argentina have caused prices to drop during the week. Cottonseed oil has recovered on more active trading. Lard oil and oleo oil are slightly higher. Sellers of crude menhaden are firm in their views for higher prices. Tallow has been steady. Oleo stearine is easier. Turpentine and rosins are lower.

#### Vegetable Oils

**Castor Oil**—Unchanged at recent quotations with No. 1 at 13 1/2c lb. and No. 3, 13c lb.

**Chinawood Oil**—Market was slightly lower on spot but the primary market is reported strong owing to small stocks, adulterated oil, and poor crop prospects. Low rivers are also reported. Nov. shipment at 21 1/2c lb. Spot, 21c@21 1/4c lb.; Coast, 21c lb.

**Coconut Oil**—Little change in the situation with demand quiet and sellers awaiting developments that will start activity. Prices steady at 8 3/4c@8 7/8c lb. for Ceylon in tanks on spot; Cochin, 9 1/2c@9 3/4c lb.; Manila, Coast, 8 1/2c@8 1/4c lb.

**Cottonseed Oil**—Market has been somewhat irregular but increased activity toward the close of the week brought prices up 50 to 75 points. P.S.Y. opened this week with spot at 12 1/4c@12 3/4c. Oct., 12.10@12.40; and May, 11.05@11.10. Crude oil advanced to 9 1/2c lb.

**Linseed Oil**—Spot business continues quiet with

buyers interested mainly in small lots for immediate delivery. Futures are easier owing to declines in flaxseed prices during the week. Recent estimates of Argentine crop this season indicate a high yield. Spot oil named at 95c in carlots. Nov., 90c; Dec.-Feb., 87c; Mar.-Apr., 85c. Tanks, spot, 89c gal. London oil, lower, 41/9; Antwerp, 352f. Domestic flaxseed prices declined 8c@15c. Winnipeg opened this week, Oct., \$2.08; Dec., \$1.97; May, \$2.00. Duluth, Oct., \$2.40; Nov., \$2.41 1/2; Dec., \$2.39 1/2; May, \$2.35 1/2. Buenos Aires, declined 25c bu. to \$1.85.

**Olive Oil**—Little activity though prices remain firm at recent levels. Denatured, \$1.10@1.15; edible, \$1.70 @ \$2.20 per gallon. Olive oil foots firm at 8 1/2c@8 3/4c lb. on spot and 8 3/4c lb. for shipment. European demand is keeping foots firm in price.

**Palm Oil**—Moderate business with small consumers but large buyers evidently supplied. Prices firm, however, at 7 1/4c@8c lb. for Lagos and 7 1/2c@7 3/4c lb. for Niger.

**Peanut Oil**—Light offerings and quiet market. Prices holding at 10 1/2c@11c for crude at mills and 15 1/2c lb. for refined.

**Corn Oil**—Recovered after recent decline. Large mills reported to be well sold and market in corn products is stronger. Crude, mills, 9 1/4c lb.; refined, 13 1/2c lb.

**Soya Bean Oil**—Has been bought up and little is available in the country. Crude at Coast higher at 9 1/4c@9 3/4c lb.; spot oil scarce at 11c@11 1/2c lb.

#### Animal Oils

**Greases**—Slightly easier with yellow, 6 1/2c lb.; brown, 6 1/4c@6 3/8c lb.; house, 6 3/4c lb.

**Lard Oil**—Prime is higher at 16 1/4c lb. Extra, steady at, 12 3/4c lb.; No. 1, 10 1/2c lb.

**Neatsfoot Oil**—Steady on fair demand; 20° cold test, 16 1/2c lb.; pure, 13 3/4c lb.; extra, 11c lb.

**Oleo Oil**—No. 2 was in better demand and prices advanced to 10 1/2c@10 3/4c lb.; No. 1, steady, 14c@14 1/4c lb.; No. 3, 9 3/4c lb.

**Red Oil**—Makers continued to quote distilled and saponified at 9 1/2c lb.

**Stearic Acid**—Unchanged at recent levels with triple pressed at 14 1/4c lb.; double pressed, 13c@13 1/2c lb.; single 12 3/4c@13 1/4c lb.

#### Fish Oils

**Cod Oil**—Market continues strong owing to scarcity of oil. Large sellers are having difficulty in obtaining supplies for regular business. Prices are higher for Newfoundland at 70c@72c per gallon.

**Menhaden Oil**—Sellers are asking 50c per gallon for crude oil at the works but sales at this price are doubtful. Deliveries are being made on former contracts at 47 1/2c lb. and under. Stocks are reported small and fishing operations only fair. Light strained holding at 65c@68c gal.; yellow bleached 71c gal.; extra bleached, 78c gal.

**Sperm Oil**—Fair business is reported at unchanged prices; 38° named at 99c and 45° and 94c per gallon.

#### Naval Stores

**Turpentine**—Prices declined 3c during the week. Buying has been along conservative lines and trading has

been more or less routine in character. Spirits quoted at \$1.01, ex-yard, New York. Steam distilled, 92c. Savannah, firm, 94c.

**Rosins**—Lower and medium grades underwent slight declines on inactive buying. Better grades, however, held steady or advanced slightly. Prices, B to K, \$5.80; M, \$5.85; N, \$6.15; WG, \$6.75; WW, \$7.00.

### COPRA IMPORTS REACH SAN FRANCISCO

Imports at San Francisco for the week ending Oct. 13 included the following: On steamer West Chopaka, from Manila, to Pacific Oil and Lead Works 1,730 bags copra, to Philippine Refining Corp. 5,098 bags copra; from Cebu, to El Dorado Oil Works 300 long tons copra; from Zamboanga, to El Dorado Oil Works 308 long tons copra; from Tobacco, to E. Diaz & Co. 205 long tons copra and to El Dorado Oil Works 2,000 sacks copra; from Legaspi, to E. Diaz & Co. 380 long tons copra and to El Dorado Oil Works 287 long tons copra and 2,331 sacks copra.

On steamer President Lincoln, from Hongkong, to order 62 barrels wood oil, to Asia Bank Corp. 100 cases cassia; from Colombo, to Bank of California 100 bales cinnamon quills, and from Kobe, to H. F. Blum & Co. 15 bales agar agar.

On steamer Drechtydk, from London, to order 1,450 cases and 1,046 barrels olive oil; from Rotterdam 250 cases olive oil, 1,200 bags cocoa.

The National Varnish Manufacturers' Association and the Paint Manufacturers' Association held their annual meetings during the convention of the National Oil, Paint and Varnish Associations in Chicago, last week. Officers elected were as follows: Paint Manufacturers' Association; President, L. P. Moore, of Benjamin Moore & Co., New York; first vice-president, Charles R. Cook, Cook Paint & Varnish Co., Kansas City; second vice-president, S. R. Mattlack, Geo. D. Wetherill & Co., Inc., Philadelphia. National Varnish Manufacturers' Association: President, C. J. Roh, of Murphy Varnish Co., Newark, N. J.; first vice-president, H. L. Calman, of Emil Calman & Co., New York; second vice-president, L. V. Pulsifer, of Valentine & Co., New York.

Regulations for the establishment of standard grades for naval stores have been completed by the Bureau of Chemistry, and copies are being distributed among producers, dealers and consumers for criticisms and suggestions. The provisions of the act apply to all sales of spirits of turpentine and rosin and forbid sales of spirits of turpentine and rosin in interstate commerce which are other than represented to be. The regulations have been drawn up under the supervision of Dr. F. P. Veitch of the Bureau of Chemistry.

David B. Gamble, of Cincinnati, who died in California a few months ago, left an estate appraised at \$3,537,234, it was announced recently. Inventory of his estate shows that his largest holdings were in stock of the Procter & Gamble Company, of which he was for many years an official.

Ninety-Six Mfg. Co., of Ninety-Six, N. C., will take over the plant of Ninety-Six Oil Mill, making improvements for increase in capacity. The plant is equipped for the manufacture of cottonseed oil products. The purchasing company was recently organized with capital of \$100,000. H. P. Galpin is president.

Norris B. Gregg, vice-president of National Lead Co., was elected president of the National Paint, Oil & Varnish Association at the close of its 36th annual convention held last week in Chicago.

## Oil Trade Notes

Hazlehurst Oil Mill & Fertilizer Co., Crystal Springs, Miss., has preliminary plans for new works, estimated to cost \$40,000.

The Excelsior Chemical Company has opened a plant at 426 Bryant st., San Francisco, for the manufacture of floorwax and polish.

Western Cotton Oil Co.'s plant, Haskell, Tex., was destroyed by fire, Oct. 14, with loss estimated at \$100,000. Insured for \$64,000.

A highly water-resistant blood albumen glue has been developed by A. C. Lindauer of the Forest Products Laboratory, U. S. Forest Service.

Pratt & Lambert, Inc., Buffalo, N. Y., varnish makers are planning an addition to their plant on a three acre tract adjacent to the present plant.

Archer-Daniels-Midland Co. has declared a quarterly dividend of \$1.75 a share on the preferred stock, payable Nov. 1 to holders of record Oct. 20.

Exports of rosin during August were 87,087 barrels (500 lbs.), valued at \$795,384, of which Germany received 17,667 barrels and England 17,072 barrels.

Exports of spirits of turpentine during August were 1,280,649 gallons, valued at \$1,198,421, of which England received 701,500 gallons and Germany 149,238 gallons.

Assateague Fish Oil & Fertilizer Co., Inc., Chincoteague, Va., recently organized, has taken over the plant of Chincoteague Fish Oil & Guano Co., and two fertilizer plants located at Lewes, Del.

New Orleans Menhaden Co., New Orleans, La., has been organized for the production of fish oil and scrap. The company is reported to have purchased a boat from the United States Government which will be used as a factory.

Geo. K. Morrow, president American Cotton Oil Co. says that approximately 80,000 of the 202,371, outstanding shares of the common stock of the company have been deposited with the stockholders committee in favor of the plan for readjustment of finances.

A Swiss dealer would like to get in touch with American suppliers of fertilizers, oil cakes, oil seed, and other products of cottonseed oil presses. Further information may be obtained from the Foodstuffs Division of the Bureau of Foreign and Domestic Commerce.

The acreage devoted to peanuts this year in the United States is estimated at 931,000. The crop is estimated at 655,000,000 pounds compared with 623,507,000 pounds last year. The Department of Agriculture says the yield per acre is 703 pounds and the farm price 6.9 cents per pound.

Exports of glycerin took a sudden spurt in August from 132,143 pounds, worth \$31,834 exported in July, to 357,043 pounds, worth \$55,536, and surpassed the shipments in August, 1922, by nearly 300 per cent in value. High as this figure was, it was still considerably below the import figure of \$95,924 for 980,101 pounds.

Cottonseed received at mills during the period Aug. 1 to Sept. 30, according to the Census Bureau was 706,842 tons; crushed, 300,298 tons. Production: Crude oil, 84,522,018 pounds; refined 52,182,712 pounds; cake and meal, 138,417 tons. Stock on hand Sept. 30: Seed at plants, 419,330 tons; crude oil, 34,457,208 pounds; refined, 41,581,932 pounds.

## The Fine Chemical Market

Current Spot Quotations of Fine Chemicals, page 1124

### IMPORTED CITRIC ACID HIGHER ON SPOT

Although Limited Quantities Still Available at 48clb.—  
Menthol Easier—Mercury Quiet—Buying for Ship-  
ment Active—Chloroform Higher—Cream Tartar  
Lower—Seller Optimistic

#### PRICE CHANGES IN NEW YORK (Stocks in First Hands)

Acid, Citric, Imp., 1c lb.      **Advanced**  
Cod Liver Oil, \$1.00 bbl.  
Chloroform, U.S.P. Resales, 1c lb.

**Declined**  
Cream Tartar, Imp., 1/2c lb.

#### Trend of the Market

	Today	Last Week	Last Month	Last Year	War Peak	Pre-War
Acetanilid .....	\$ .32	\$ .32	\$ .32	\$ .31	\$2.00	\$ .20
Acid Citric, Import.....	.40	.48	.48	.50	1.25	.45
Caffeine Alkaloid.....	4.00	4.00	4.00	3.75	18.00	3.65
Calomei, American.....	1.25	1.25	1.25	1.15	3.43	.90
Camphor, Jap., ref.....	.86	.87	.87	.86	3.55	.41
Iodine, Resublimed.....	4.55	4.55	4.55	4.40	5.00	3.75
Menthol .....	15.00	16.00	20.00	7.00	13.50	3.00
Potassium Bromide, Cryst.	.26	.26	.26	.27	4.30	.80
Quinine Sulfate, Imp.....	.50	.50	.50	.50	.90	.25
Sodium Salicylate.....	.40	.40	.40	.42	4.25	.27
Strychnine Sulfate.....	.84	.84	.84	.84	2.05	.50
Average .....	2.83	2.92	3.03	1.78	5.92	1.56

A hopeful attitude is noted in the fine chemical market. Buyers appear to have taken on sufficient supplies in August and September to satisfy them for a little time to come, but with the coming of Winter and the more rapid consumption of goods, it remains only a question of time when present stocks must be replenished to meet this potential demand. Sellers are content to wait, as shown by their hesitancy to shade prices, until inquiries cover a broader area. The weakening influence of heavy imports, except in a few items, has been removed to some extent, and the steady rise of foreign exchange rates has firmed up prices for shipment. The removing of resale stocks has been the prime factor in slowly turning buyers back to manufacturers and original importers for supplies. Speculators find it rather difficult to purchase goods in large quantities. All wood chemicals are easy, especially formaldehyde. Actual price changes on spot have been few and comparatively unimportant. Imported cream tartar is lower. Resale chloroform, U.S.P., is higher. Imported citric acid generally quoted at 49clb. spot, although limited stocks are still available at 48clb. Buying of mercury in primary market has been active.

**Acetanilid**—U.S.P. in small demand at 32c@33clb. spot by makers, and resales, at 31c@32clb. spot.

**Acid, Acetylsalicylic**—Makers still quote a range of 75c@85clb. spot, and resales are available at 72½clb. spot. Demand routine at the moment with tendency to firmness owing to nearness of the large consuming season.

**Acid, Benzoic**—U.S.P. quoted by makers at 72c@77c lb. spot, and by makers at 85clb. spot.

**Acid, Citric**—Generally quoted higher at 49c@50clb. spot for imported, although limited supplies are obtainable at 48clb. spot. Stocks are becoming somewhat reduced owing to recent active demand. Domestic named at 49clb. spot for crystals in barrels, and 50clb. for powdered. London is quoting 1s 4½d per pound and weak thereat. Last week 580 kegs were imported at

New York, and whether or not these contain citric or tartaric acid will be commented upon later.

**Acid, Lactic**—U.S.P. VIII quoted at 70clb. spot in carboys.

**Acid, Phosphoric**—Again lower at 15c@16clb. spot for 85 per cent syrupy.

**Acid, Salicylic**—Named at 35clb. spot by makers, and 34clb. by second hands. Demand for consumption here reported routine, while fair quantities are being absorbed for export trade.

**Acid, Tartaric**—Quoted easy at 31½c@32½clb. spot for imported crystals. Last week saw 219 kegs entered at New York. London is quoting 1s 1½d per pound.

**Alcohol**—All grades quoted firm with possibilities of higher prices owing to high cost of raw material. No. 1 specially denatured at 44c@46c gal. spot for drums, and No. 5 completely denatured at 43c@45c gal. spot.

**Alcohol, Butyl**—Quoted firm at 45c@50clb. spot. During past week 94 casks were entered at New York.

**Amidopyrine**—Named firm at \$4.60@\$4.75lb. spot in spite of routine demand.

**Antipyrine**—Quoted firm and in better demand at \$2.35@\$2.50lb. spot as to quantity and seller.

**Bismuth Subnitrate**—Active and firm at \$2.90lb. spot by makers, and \$2.80lb. for resale lots.

**Caffeine Alkaloid**—In active demand at \$4.00@\$4.25 lb. spot by first hands. Resales at \$3.90@\$4.00lb. with little goods offered at inside figure.

**Camphor**—Quoted easy at 86c@87clb. spot for 2½lb. Japanese slabs. Last week saw 684 cases and 45 barrels imported at New York. American held at 93clb. spot for barrels.

**Chloroform**—Makers quote U.S.P. at 35clb. spot, and resales have advanced and now quoted inside at 32c@33clb. spot for drums.

**Cod Liver Oil**—Has advanced and now quoted at \$25.00@\$25.50 bbl. with shipment named over \$26.00 bbl. Demand here active with tendency to restrict orders until cause of foreign rise is fully investigated. During past week 220 barrels were imported at New York.

**Cream Tartar**—Imported lower at 23½c@24½clb. spot owing to small demand and slight accumulation of stocks.

**Creosote**—Firm at 40c@42clb. spot. Carbonate steady with possibility of advance at \$1.80@\$2.00lb. spot.

**Formaldehyde**—First hands report weak market at 12clb. for c/l works.

**Glycerin**—C.P. quoted at 17c@17½clb. spot for drums, and 18c@18½clb. for less.

**Hydroquinone**—Firm at \$1.40@\$1.50lb. spot as to quantity.

**Menthol**—Quoted lower on spot at \$15.00@\$15.50lb. as to quantity, although position is strong owing to reported concentrated control in Japan. January-March shipment named at \$12.50lb. c.i.f. New York which indicates possibility of holders attempting to "average up" on previous sales made at \$6.00 c.i.f. Last week 65 cases were entered at New York.

**Mercury**—Quoted easy at \$60.50@\$61.00 flask in spite of the recent advance in London. This market does

not appear to be regulated by movements abroad. London now quoting £9 7s 6d per flask. Fair quantities are reported afloat. Last week saw 362 flasks entered at New York.

**Petrolatum**—Snow white U.S.P. named at 12½¢@13¢lb. spot.

**Podophyllin**—Quoted firm at \$3.50@\$6.00lb. spot by second hands, and \$6.00@\$6.50lb. by makers. Raw material position strong.

**Potassium Permanganate**—In good demand at 17¼¢@18¢lb. spot for imported, and 17¢@17½¢lb. works for domestic.

**Resorcinol**—U.S.P. quoted firm at \$2.25@\$2.35lb. spot.

**Saccharin**—Named quiet at the moment at \$1.90@2.10lb. spot as to quantity.

**Santonin**—New supplies now available at \$150@\$158 lb. as to quantity.

**Sodium Benzoate**—U.S.P. active at 65¢@68¢lb. spot.

**Terpin Hydrate**—In good demand at 60¢@62¢lb. spot.

**Thymol**—Quoted steady at \$3.10@\$3.25lb. spot as to quantity.

# CHEMICAL SALESMEN ELECT MEMBERS

The Executive Committee of The Salesmen's Association of the American Chemical Industry held a meeting at the Chemists' Club on Oct. 16. Ralph E. Dorland, Dow Chemical Co., president of the Association, presided. Twelve new members were elected: J. C. McKenna, W. F. George Chemicals, Inc.; Alexander Williams, Chemical Foundation Inc.; Arthur W. Wright, "N. Y. Commercial"; Millard F. Taylor, "N. Y. Commercial"; H. L. Powell, Chemical Catalog Co.; J. F. Blackie, Newport Chemical Works; I. G. Ammen, Bowker Chemical Co.; Frederick A. Koch, Dow Chemical Co.; W. C. Mills, Grasselli Chemical Co.; N. Townsend Thayer, E. M. Sergeant Co.; A. P. Howes, "American Dyestuff Reporter"; Wm. O. Thompson, Grasselli Chemical Co.

A winter course consisting of a series of lectures is contemplated. These will probably cover such important subjects as economics, traffic problems, commercial law, and business finance.

Three committee chairmen were appointed as follows: Dr. F. P. Summers, Noid Chemical & Color Wks., chairman Committee on Membership; John A. Chew, Warner Chemical Co., chairman Committee on General Affairs; E. H. Bedell, "Chemical & Metallurgical Engineering," chairman of Publicity Committee.

Mercury withdrawals from Spanish warehouses for the first seven months of this year were 34,809 flasks of 34.5 kilograms each, and production and entries into warehouses during same period last year amounted to only 23,585 flasks, according to Consul H. A. Boncher, Barcelona. Stocks on hand decreased from 24,594 flasks Jan. 31 to 17,633 flasks on July 31. Prices have fallen from 340 pesetas per flask in June to 297 pesetas in September.

The Drug and Chemical Division of the Salvation Army campaign in Chicago is in charge of C. S. Curtis, chairman, and the following members of the trade: G. S. Baker, W. W. Baldwin, J. A. Lanigan, J. T. Moran, William O'Neill, P. A. Rising and F. F. Comstock.

Tennessee Eastman Corp., Kingsport, Tenn., has increased its capitalization from \$500,000 to \$3,000,000, owing to increased business.

Olympia Chemical Co., New York, has increased its capitalization from \$20,000 to \$50,000.

# INLAND DISTILLERS CRITICISE RATES

## Declare They Will Be Forced Out of Business and Alcohol Prices Will Advance

American Distilling Co., Pekin, Ill., Federal Products Co., Cincinnati, Rossville Co. and Greendale Co., Lawrenceburg, Ind., have issued a circular stating the reasons for the request that rail rates on alcohol be increased, and replying to a letter issued by the U. S. Industrial Alcohol Co. saying that the readjustment of rates would increase the price of alcohol to the consumer. The circular of the inland distillers says in part:

With the advent of the World War (1917), the Government prohibited distillation from corn to conserve food and later ruled that corn better than No. 6 could not be used for the distillation of alcohol, and with the advance in the price of corn, it became prohibitive for the distillation of alcohol. Blackstrap, being a cheaper article, displaced in part corn as a raw material. After shifting of the raw material from the Corn Belt to Cuban blackstrap, the inland distilleries and the coastwise distilleries had to buy raw material (blackstrap molasses) f.o.b. New Orleans.

We have asked the carriers to adjust the freight rates in such a manner that will have the effect of placing the inland distilleries on an equality with the coastwise distilleries so far as freight rates are concerned. Under the present adjustment, the coastwise distilleries have an advantage over the inland distilleries, entirely due to the wrong adjustment of freight rates, i.e., their rate on alcohol from New Orleans to Peoria and Pekin is 41 cents, the inland distilleries rate from Peoria and Pekin to New Orleans is \$1.01½. Their rate, New Orleans to Memphis, is 28½ cents; our rate to Memphis is 63½ cents, and it should be, if measured by their rate only 34 cents. To the Cincinnati territory, they pay 49.4%, we pay 100%, of the Classification Basis. To the Pittsburgh-Buffalo territory, they pay 50%, we pay 100%; to the Atlantic Seaboard they pay 55.3%, we pay 100%; to the Missouri River they pay 38.3%, we pay 100%; to the Denver territory they pay 48%, we pay 100%.

It is evident that an adjustment of freight rates will not necessitate an advance in the price of alcohol from the interior producing points for these points are now producing and selling alcohol on the basis of the classification freight rates, but it will place these plants in a competitively strong position to the entire advantage of the consuming alcohol trade. If the carriers do not place the rates on an equality every inland distillery will eventually be forced to discontinue operation. Should this be accomplished manufacturers throughout the United States will suffer a great hardship from the elimination of alcohol made from grain. We want the trade to visualize for one moment and ask themselves the question—"where will the price of alcohol go if the coastwise distilleries succeed in eliminating the competition of the inland producers by preventing a fair adjustment of the freight rates for the inland distilleries?"

Lectures on chemistry by Prof. W. L. Estabrooke have been arranged by the New York Board of Education for salesmen and employees of chemical firms, during October, November and December, at the chemistry building of the College of the City of New York, Amsterdam ave. and 139th st. The first lecture covered "The Chemistry of Everyday Life." On Tuesday, Oct. 22, Prof. Estabrooke spoke on "The Tools of a Chemist and His Method of Work." On Oct. 29 the subject will be "Types of Changes in Chemistry." The lectures are free.

Dr. Charles H. Herty, president Synthetic Organic Chemical Manufacturers' Association, is attending the Congress of Chemical Industries in Paris. Other Americans present are Prof. William A. Noyes, F. E. Breitbut, special trade commissioner, E. S. Chapin, and C. C. Concannon.

Hirsch Laboratories, Inc., Brooklyn, are controlled by Harry W. Wolff and Max Alport who are sole owners of the stock. Dr. Alcan Hirsch and Marx Hirsch have had no connection with the laboratories since Dec. 15, 1922.

Anheuser-Busch, Inc., St. Louis, will start production of glucose soon. Former brewery buildings have been equipped at a cost of nearly \$1,000,000. The new plant will use 5,000 bushels of corn a day and will produce 200,000 pounds of corn syrup or glucose.

Schedules in bankruptcy filed by Albany Chemical Co. show liabilities \$752,219 and assets \$779,826.

## The Crude Drug Market

Current Spot Quotations of Crude Drugs, page 1143

### DANDELION ROOT ADVANCES ON SPOT

**Demand Active and Offerings Small—Oregon Fir Balsam Lower—Cascara Bark Available—Ergot Dull and Lower—Cartagena Ipecac Root Sharply Higher—Mandrake Root Lower Owing to Competition**

#### PRICE CHANGES IN NEW YORK (Stocks in First Hands)

Advanced	
Aloes, Curacao, 1/2 lb.	Dandelion Root, 2c lb.
Arnica Flowers, 2c lb.	Ipecac Root, Cartagena, 10c lb.
Cardamom Seed, Bleached, 10c lb.	Jalap Root, Whole, 1c lb.
Damiana Leaves, 1 1/2 lb.	Manna, Small flake, 5c lb.
Declined	
Balsam, Oregon Fir, 20c gal.	Ergot, 2c lb.
Blackhaw Bark, Root, 2c lb.	Japan Wax, 1/2 lb.
Chamomile Fls., Roman, 10c lb.	Leeches, \$1.00 per 100
Cohosh Root, Blue, 1c lb.	Mandrake Root, 1c lb.
Cendurango Bark, 1/2 lb.	Sarsaparilla Rt., Mex., 1c lb.

#### Trend of the Market

	Today	Last Week	Last Month	Last Year	War Peak	Pre-War
Aconite Root, U.S.P.....	\$50	\$50	\$50	\$23	\$90	\$12
Buchu Leaves, Short.....	.80	.90	.90	.90	4.00	.85
Cantharides, Russian ....	1.75	1.75	1.75	3.25	9.00	2.10
Cocculus Indicus .....	.03 1/2	.03 1/2	.03 1/2	.03 1/2	.85	.03
Ergot, Spanish .....	.38	.40	.40	.58	4.50	.54
Insect Powder, pure.....	.62	.62	.64	.62	1.00	.58
Ipecac, Cartagena, powd....	2.10	1.90	1.90	1.75	4.50	1.35
Nux Vomica .....	.06 1/2	.06 1/2	.06 1/2	.07	.14 1/2	.07
Opium, gum .....	8.00	8.00	8.00	6.75	30.00	5.00
Rhubarb Root, H. D. ....	.38	.38	.40	.44	1.75	.15
Tragacanth, No. 1, ribbon..	1.45	1.45	1.48	1.75	6.00	1.50
Wild Cherry Bk., thin nat..	.11	.11	.11	.09	.21	.07
Average .....	1.36	1.34	1.34	1.39	5.28	1.00

The firmness of a number of leading items in the crude drug market more than offsets recent weak spots. Buying began anew last week and toward the close several round lot sales were reported. Each order as it comes into the market tends to firm up prices and only the restricted amount of actual buying prevents an upward movement in numerous products. The materially higher position of foreign exchanges combined with a realization on the part of dealers here that spot stocks are low in the case of a number of items, has tended to form a strong undertone to the market. Although shipment prices in the Northwest are firm, the same conditions are not reflected on spot, owing to weak holders. Shippers in the South are quoting over a broad area.

Dandelion root is up sharply owing to small amount of goods coming from abroad. While the statistical position of Oregon fir balsam is strong, this item has declined on spot due to selling pressure by weak holders. Cascara sagrada is again available on spot. Dullness in ergot has caused another decline in this product. Mandrake is lower on competition.

**Aconite Root**—U.S.P. quoted firm at 50c lb. spot.

**Agar Agar**—No. 1 scarce at \$1.80@\$1.85 lb. spot, and No. 3 at \$1.65@\$1.75 lb. spot. Kobe No. 1, new crop material, for January-February shipment named at \$1.08 lb. c.i.f. New York with possibilities of shading this figure on firm business.

**Aletris Root**—In active demand at 60c@62c lb. spot.

**Aloes**—Curacao has advanced and now quoted at 10 1/2c@11c lb. spot, and Cape named easy at 9c@10c lb. Barbadoes held at 65c@70c lb. spot.

**Angostura Bark**—Quiet at 8c@10c lb. spot.

**Anise Seed**—Spanish quoted at 16 1/2c@17c lb. spot with one factor naming 19c lb. as inside. Shipment is firming up, although recent arrivals keep prices down

here. Star named easy at 12c@12 1/2c lb. spot with possibility of shading these figures.

**Arnica Flowers**—Quoted higher at 10c@11c lb. spot owing to increased demand and reduced stocks.

**Balm Gilead Buds**—Firm and active at 45c@50c lb. spot with one house naming maximum as inside.

**Balsams**—Reports are heard that Oregon fir is strong on the Coast and that the lower price here is not warranted when replacement values are considered. Quoted lower at \$2.25@\$2.35 gal. spot owing to selling pressure from weak holders. Peru quiet at \$1.75@\$1.80 lb. spot with one firm naming \$1.85 lb. Tolu scarce and active at \$2.25@\$2.35 lb. spot.

**Blackhaw Bark**—Root lower at 40c@42c lb. spot.

**Buchu Leaves**—Slightly lower at 89c@95c lb. spot. Competition keen for available business.

**Calisaya Bark**—Quoted firm and active at 27c@30c lb. spot.

**Caraway Seed**—Dutch named firm at 25 1/2c@26c lb. spot with tendency to remain steady for some time to come. Reports are heard that this year's crop will be about 60,000 bags and practically in the control of speculators. African firm at 24c@25c lb. spot.

**Cardamom Seed**—All grades have advanced excepting decorticated. Bleached now quoted at \$1.35@\$1.70; decorticated at \$1.30@\$1.40; and green at \$1.03@\$1.10 lb. spot. Buying active both for goods held here and for future delivery.

**Cascara Sagrada**—One holder quoted new bark at 24c@26c lb. spot with tendency to higher figures. A number of houses have withdrawn offerings in order to protect customers. Reports were heard of an offering of 10 tons at 16c lb. f.o.b. Coast, but delivery of same was questioned owing to unknown integrity of seller. Factors in this market thought that the asking price was not in line with present situation.

**Celery Seed**—Has advanced and now quoted at 30c@32c lb. spot, but as arrivals are entered, the tendency is to easier figures.

**Chamomile Flowers**—Roman lower at \$1.00@\$1.10 lb. spot, and Hungarian at 9c@10c lb. spot.

**Clover Tops**—Firm at 24c@26c lb. spot.

**Damiana Leaves**—Quoted higher at 13 1/2c@14c lb. spot owing to active demand and small supplies here.

**Dandelion Root**—Named higher at 22c@23c lb. spot with possibilities of firmer figures in near future. Stocks small and offerings limited.

**Ergot**—Lower at 38c@40c lb. spot. Demand routine with tendency for accumulation.

**Galbanum Gum**—Lower at 80c@95c lb. spot.

**Gamboge Gum**—Easier at \$1.00@\$1.05 lb. spot for whole, and \$1.05@\$1.10 lb. for powdered.

**Insect Powder**—Quoted at 62c@64c lb. spot as to quantity and seller. Shipment for October named at 44c lb. c.i.f. New York.

**Ipecac Root**—Cartagena higher at \$2.00@\$2.05 lb. spot for whole, and \$2.10@\$2.15 lb. for powdered.

**Japan Wax**—Lower at 16 1/2c@17c lb. spot due to easier position in primary market. Shipment for October and November named at 15 1/2c lb. c.i.f. New York.

Leeches—Lower at \$6.00 per 100 spot.

Lobelia Herb—Easier at 22c@23clb. spot.

Mandrake Root—Lower owing to competition at 20c@22clb. spot.

Manna—Small flake higher at 45c@50clb. spot with supplies of large flake practically off market.

Rhubarb Root—Quoted easy at 38c@40clb. spot for whole, and 45c@46clb. for powdered.

Sarsaparilla Root—Mexican lower at 26c@27clb. spot due to easier tendencies in primary market. Honduras at 61c@65clb.

Spikenard Root—Firm and in active demand at 27c@28clb. spot.

Stramonium Leaves—Higher at 7c@8clb. spot.

White Pine Bark—Firm at 7c@8clb. spot with higher tendencies.

Wormseed—Levant reported nominally at \$4.00lb. and American in good supply at 9c@10clb. spot.

#### NEW OFFICERS ELECTED BY N.W.D.A.

Officers of the National Wholesale Druggists Association, elected at the Cleveland meeting are: President, George Barret Moxley, Indianapolis; first vice president, A. H. Van Gorder, Cleveland; second vice president, O. C. Long, Houston, Tex.; third vice president, William Jay Schieffelin, Jr., New York; fourth vice president, J. J. McNamara, New Orleans; fifth vice president, F. H. Garrett, Council Bluffs, Ia.; new members Board of Control: R. R. Ellis, Memphis, Tenn.; Sewall D. Andrews, Minneapolis; Ludwig Schiff, Los Angeles; M. E. Sherman, Des Moines, Iowa; secretary, Charles H. Waterbury, New York; general representative, Francis E. Holliday, New York; treasurer, Title Guaranty and Trust Co., New York.

A report of the work done by the advisory committee on traffic in opium and other habit-forming drugs, of the fourth assembly of the League of Nations, has been sent to President Coolidge by Representative Porter, chairman of the American delegation, which attended the conference. Representative Porter declares suppression of this trade means more to the people of the world than prohibition.

The importation of crude drugs, herbs, leaves and roots in August were the lowest of the year, only 5,312,416 pounds, worth \$414,894 being received. Exports to the amount of 328,743 pounds, worth \$247,700, represented a gain over August of last year but a loss from July of this year.

Travelers from abroad report an influenza epidemic in Europe. It originated in Russia. One dealer in chemicals thought there might be a demand for medicinal products in the near future as in 1917-1918, when quinine and acetylsalicylic acid were actively sought.

H. H. Schlueter, formerly with Meyer Bros. Drug Co., is now associated with Thompson, Hayward & Schlueter, St. Louis, and will have charge of the St. Louis territory.

F. P. Wentworth, New York, has obtained judgment against American Medical Products Co., New York, for \$1,039.81.

C. A. Senger & Co., Chicago, who handle crude drugs and chemicals, are now located at 59 West Austin avenue.

Lehn & Fink have filed judgment for \$1,181.51 against Albert's Lenox Ave. Drug Store, New York.

#### COMMITTEE ON ALCOHOL URGES SEPARATE CONTROL FOR INDUSTRY

Oppose Plan To Make Commissioner Responsible To President Only—Criticism Haynes for Curtailment of Supplies Needed in Manufacturing

(Special to DRUG & CHEMICAL MARKETS)

Washington, D. C., Oct. 24—The Alcohol Trades Advisory Committee has made a report to the Internal Revenue Bureau declaring emphatic opposition to the plan to create an independent prohibition enforcement bureau responsible only to the President, on the ground that it would prove "a pernicious handicap to scientific research and lawful industry." The committee recommends that an industrial alcohol commissioner or a deputy commissioner of internal revenue entirely independent of the prohibition commissioner be appointed to deal with industrial alcohol. It is declared that the action of a former Commissioner of Internal Revenue in placing in the hands of the prohibition commissioner authority over the manufacture, transportation, sale and use of industrial alcohol "was illegal by implication, illogical by any method of sound reasoning, economically impracticable, and should be forthwith corrected."

The report continues: "In our opinion, the fault does not lie with the law, but in the administration thereof. We yield to no one in our adherence to the principle of law enforcement, but surely the National Prohibition Act can be so administered as not to interfere with the health, economic needs, and the national defense of the country, although this is apparently challenged by some 'dry' advocates."

"The attitude of a prohibition commissioner toward science and industry is sufficiently shown by an official bulletin issued on Oct. 28, 1922, in which he stated that: 'Effectiveness of enforcement is shown by results in curtailing the source of supply of whiskey for medicinal use and grain alcohol for industrial and drug purposes, such curtailment being reflected in the reduction of tax-paid withdrawals of alcohol as measured in tax gallons.'"

The committee was appointed by the Internal Revenue Bureau to make an investigation of conditions. Its members are: William A. Sailer, of Baltimore, representing the American Drug Manufacturers' Association; H. E. Howe, Washington, American Chemical Society; W. J. Schieffelin, New York, National Wholesale Druggists' Association; Samuel E. Henry, Chicago, National Association of Retail Druggists; J. H. Beal, Urbana, Ill., American Pharmaceutical Association; Martin H. Ittner, Jersey City, American Manufacturers of Toilet Articles; Frank A. Blair, The Proprietary Association; R. H. Bond, Baltimore, Flavoring Extract Manufacturers' Association; Charles L. Reese, Wilmington, Del., Manufacturing Chemists' Association, R. M. Cain, Indianapolis, American Pharmaceutical Manufacturers' Association.

Gaston B. Means was held in \$15,000 bail by Judge John C. Knox, of the U. S. District Court, on Monday, on four indictments by a Federal grand jury on charges of conniving to withdraw liquor from bond, illegally. Eimar W. Jarnecke, of Philadelphia, was indicted with Means. They are accused of accepting bribes for releasing whiskey from the Sam Thompson distillery, Brownsville, Pa., the Sweet Springs distillery warehouse, Harrodsburg, Pa., and other warehouses. Means was in the employ of the Prohibition unit.

John Powell & Co., New York, importers of crude drugs, have leased the building at 189 Water st. for a term of years.

## The Essential Oil Market

Current Spot Quotations of Essential Oils, 1148, Aromatic Chemicals 1149

### OIL CITRONELLA ADVANCES SHARPLY

No Pure Oil Available on Spot, According to the Trade  
—Oil Bergamot Higher—Redistilled Cassia Lower—  
Oil Cardamom Higher—Italian Orange Firmer—Oil  
Peppermint and Wormseed Lower—Terpineol Active

#### PRICE CHANGES IN NEW YORK (Stocks in First Hands)

Advanced	
Oil Bergamot, Coppers, 5c lb.	Oil Citronella, Ceylon, 10c lb.
Oil Cardamom, \$3.00 lb.	Oil Orange, Italian, 10c lb.
Declined	
Oil Cassia, Redistilled, 10c lb.	Oil Peppermint, Nat'l, 5c lb.
Oil Cedar Leaf, 5c lb.	Redistilled, 10c lb.
Oil Sassafras, Artif., 2c lb.	Oil Wormseed, 25c lb.

#### Trend of the Market

	Today	Last Week	Last Month	Last Year	War Peak	Pre-War
Oil Bergamot .....	\$2.75	\$2.70	\$2.65	\$3.15	\$7.00	\$5.00
Oil Citronella, Ceylon.....	.85	.75	.70	.46½	.92	.60
Oil Cloves .....	2.25	2.25	2.10	1.90	3.70	1.40
Oil Lemon, Italian .....	.70	.70	.70	.65	1.70	2.00
Oil Peppermint, Nat'l.....	3.05	3.10	3.15	2.70	9.00	2.25
Oil Sandalwood, E. I.....	7.25	7.25	7.35	6.65	13.00	5.25
Oil Sassafras, Artif.....	.38	.40	.40	.42	1.00	.36
Benzaldehyde, U.S.P.....	1.50	1.50	1.50	1.40	5.15	1.50
Coumarin .....	4.50	4.50	4.50	4.00	31.00	3.10
Methyl Salicylate, Cans....	.47	.47	.47	.47	1.00	.90
Vanillin .....	.40	.40	.40	.45	.95	.20
Average .....	2.20	2.21	2.19	2.06	6.83	2.05

No unusual developments have been noted in the essential oil market during the week. Within the month prices have hardened to such an extent that buying in a large way has practically ceased and goods are now passing into consumption in small lots. With the continued high cost of raw materials, the finished products cannot be made up to sell at attractive figures. However, low priced oils are being consumed, but buyers, as a rule, are inclined to insist on quality, and pay the amount asked. With the replacement costs generally equal, and in some cases higher than spot values, lower prices are expected in the near future. Present stocks are said to be none too heavy for this time of the season. Price shading induced by competition and pressure to sell, is more than overbalanced in the current market by the firmness shown in a number of items. First-hand reports were received from Canada and the Middle West stating that, while business at the moment is more or less routine, the potential buying power of the essential oil users is fully up to last year. The high quotation of citronella has induced a number of soap manufacturers to change to terpineol. Oil caraway is scarce and higher. Oil eucalyptus has advanced again. Oils peppermint and wormseed are lower owing to weakness in the country.

#### Essential Oils

**Oil Amber**—Rectified in small demand at 90c@1.00 lb. spot.

**Oil Angelica Root**—Demand quiet and prices steady at \$38.00@39.00lb. spot.

**Oil Anise**—Spot quoted easy at 45c@50c lb. for U.S.P. with possibility of shading these figures on firm business owing to the accumulation of supplies for the past few months. Technical at 42½c@45c lb. spot. During past week 16 drums were entered at New York.

**Oil Bay**—Demand routine with stocks ample for all immediate needs at \$2.50@2.60lb. spot.

**Oil Bergamot**—Coppers have advanced and now quoted at \$2.75@2.85lb. spot owing to better demand and higher shipment figures.

**Oil Bois de Rose**—Spot quoted firm at \$2.40@2.50 lb. The expected increase has not as yet taken place, but stocks are reported to be well cleaned up.

**Oil Cajuput**—Native named at 80c@85c lb. spot. The importation of 200 cases last week at New York was the first arrival in this market for some time.

**Oil Calamus**—Quiet at \$4.25@4.75lb. spot.

**Oil Camphor**—Japanese quoted steady at 13½c@15c lb. spot for cases and 13c@15c lb. spot for drums. Last week saw 100 drums entered at New York. Out-of-town inquiries reported active.

**Oil Caraway**—Quoted firm at \$7.75@8.50lb. spot with one house asking \$8.75lb. inside. Buying active with prices tending to hold firm due to the "shorts," who are reported to have sold large quantities for future delivery.

**Oil Cardamom**—Spot has advanced sharply and now quoted at \$25.00@27.00lb. spot owing to strength of seed.

**Oil Cassia**—Redistilled lower at \$3.00@3.10lb. spot due to small demand. Supplies here are said to be none too plentiful. Natural named at \$2.45@2.50lb. spot. Last week saw 10 drums entered at New York.

**Oil Cedar Leaf**—Lower at \$1.05@1.15lb. spot.

**Oil Celery**—Firm at \$8.50@9.00lb. spot.

**Oil Citronella**—Ceylon quoted higher at 80c@85c lb. spot drums as to quality. One factor stated that in his opinion no pure oil was obtainable on spot. Supplies are limited with little material imported lately. Shipment quoted 89c lb. laid down here, guaranteed free from alcohol, but not necessarily free from mineral oil, while absolutely pure oil for shipment is named at 96c lb. spot laid down here. Last week 35 drums were entered at New York. Exports from Colombo for eight months ended August 31 were 796,517 pounds, of which United States received 508,761 pounds, according to a report. Java firm at 90c@95c lb. spot for drums.

**Oil Cloves**—Firm at \$2.25@2.35lb. spot for cans.

**Oil Copaiba**—Stocks of U.S.P. ample at 35c@40c lb. spot.

**Oil Eucalyptus**—Firm and in active demand at 57c lb. spot for drums and 60c@63c lb. spot for cases. Reports are heard that distillers cannot meet competition for labor.

**Oil Geranium**—Bourbon firm with spot lower than replacement at \$7.50@8.00lb. African at \$8.00@8.50lb. spot.

**Oil Lavender**—Buying reported active at \$4.00@5.50 lb. spot for U.S.P. Stocks of cheap oil are becoming reduced. Spike firm at 60c@65c lb. spot.

**Oil Lemon**—Italian steady at 70c@85c lb. spot as to seller and quality. Shipment shows firmer tendencies. American at 95c@1.00lb. spot.

**Oil Mustard**—Quoted at \$2.70@3.00lb. spot with little goods available at inside figure.

**Oil Orange**—Italian firmer at \$3.25@3.60lb. spot as to quality and seller. West Indian named at \$2.15@2.25 lb. spot.

**Oil Peppermint**—Natural easier at \$3.05@3.15lb. spot, and redistilled at \$3.30@3.40lb. spot.

**Oil Wormseed**—Lower at \$3.75@4.25lb. owing to weakness in country.

**Aromatic Chemicals**

**Coumarin**—Makers report steady demand at \$4.50@4.65lb. spot. Resales available at \$4.35lb. spot with tendency to firmness. England states certain supplies there have been heavily adulterated.

**Heliotropin**—Imported quoted at \$2.50@2.75lb. spot. Last week 3 cases were imported at New York. Domestic at \$2.00@2.25lb. spot.

**Methyl Salicylate**—First hands report dull market at the moment at 45c@47c. spot as to quantity. Resales available at 43c@45c. spot.

**Terpineol**—Firm and in active demand at 54c@55c. spot for drums owing to switching of soap makers from high priced citronella to this item.

**Tolu Balsam**—Scarce and firm at \$2.25@2.35lb. spot, if procurable.

**MAY GET OIL FROM OREGON ROSES**

The climate in Western Oregon seems perfectly adapted to the growth of roses, but when compared with those produced in France, the flowers seem to lack in odor, according to Warren Burns in "The Perfumery and Essential Oil Record." He says, "Through the courtesy of Jesse A. Currey, of Portland, I visited his, as well as others of the best rose gardens in that vicinity. Mr. Currey has specialized in growing roses for many years, and has in his garden most of the known varieties. Several of the varieties seem to promise results if an effort should be made to propagate them for commercial purposes. I was informed that only laboratory experiments have been made so far with the Oregon roses and that no extensive effort has been made to ascertain their commercial possibilities. This is due principally to lack of knowledge as to the best methods of obtaining the oil."

Palmolive Co. will be incorporated as Palmolive Co. of Delaware with authorized capital of \$12,000,000, of which \$4,000,000 will be issued now. The Delaware corporation will operate all plants except the Milwaukee plant and sales office in Wisconsin. This part of the business will be conducted by a separate corporation which also may be organized in Delaware. Holders of the present preferred stock will be asked to exchange for Palmolive Co. of Delaware stock which will pay the same rate. To facilitate the exchange the old stock will be redeemed at 105, the legal rate, and the new will be issued on the basis of 101, giving a 4 point profit.

Natural factors give to European distillers of caraway seed, particularly the Dutch, an advantage over producers in other parts of the world. Success to them, however, depends in a large measure on a favorable purchase of the seed, a rich oil yield and a good demand for spent seed. The largest production of seed is in the Netherlands, where, in a normal year 5,527 hectares (one hectare=about 2½ acres) were under cultivation, yielding 117,918 bags of 50 kilos.

Perfumery, Soap and Allied Industries of New York will resume its meetings on Tuesday, Oct. 30, when a dinner will be held at the Hotel Astor, followed by discussion of trade subjects. Dinner will be served at 7 o'clock. Reservations should be made through Karl Voss, secretary, 30 E. 42nd st.

V. Vivandou, New York, perfumer, has obtained judgment against Isadore Fried for \$380.32.

**CONTINUED DROUGHT IN VANILLA DISTRICT**  
(Special Correspondence to DRUG & CHEMICAL MARKETS)

Vera Cruz, Mexico, Oct. 6—The size of the Mexican vanilla crop for the coming season cannot be estimated until late in December. This year's crop is about 30 per cent less than last year's, or about the size of the 1921 and 1922 crop. The Papantla district will have the best crop of any of the vanilla producing sections, due to the fact that it is higher up in the mountains and more rain has fallen, but not the usual amount. It has been a dry season. They are having some rain now, but it is too late to do any good, as the beans have all formed.

In the districts of Gutierrez Zamora, Colonia San Rafael, Nautla and Misantla, there will be far less vanilla in proportion to the regular crop, than in the Papantla district. There has been a continued drought in the Misantla district, the longest experienced for thirty years. Planters complain that the beans are falling off the vines.

Buying will not begin until the last of this month. No contracts can be made with the native Indians because they always wait for higher prices, and will not consider any offers until they are ready to sell their beans.

**OIL DISTILLER FINDS LABOR SCARCE**

Eucalyptus oil distillers cannot meet labor competition from timber mills and sell at a profit, according to a distiller, who writes in the "Chemist and Druggist of Australasia." He says, "It is very strange that the distiller cannot pass on the expenses, as all other industries can. I went up to our distillery recently to see what chance there is for doing a big trade again. Our men are now willing to go ahead, but there is a timber mill close by where mere boys just from school get 16s 8d per day, pay starting from the time they leave their homes until they reach their work, and they knock off if it rains, and get pay just the same. Eucalyptus oil won't stand that, and the timber mill was standing idle, with about eight acres of land absolutely covered with seasoned timber stacked high—whilst that very timber was wanted everywhere at a reasonable price. I can get just enough oil to keep going, but don't intend to send it to England, although two houses alone would take ten tons per annum. But they want it at a price which I cannot distill it at to make it at to make anything out of it, so I won't do it. There's the position—they sell it easily at 3s per lb., and offer 1s 5d—so the leaves may stay in the bush so far as the English trade is concerned. Eucalyptus distillers in the forests of Bendigo and district state that there is a paucity of oil in the foliage this winter, which is attributed to the abnormal rainfall."

L. P. Lamoureux, of Belgian Trading Co., New York, manufacturers of aromatic chemicals, recently returned from a trip through Canada and the Middle West. He says that buyers are not stocking ahead owing to the high prices now quoted. If prices do not recede in the near future, the buyers will be compelled to come in the market in a big way to get needed supplies.

Essential oil prices in London are generally firm, according to "Chemist and Druggist." Bois de rose, geranium and petit grain are tending upwards. Spanish spike is higher, and sassafras oil is scarce and dearer. Cassia oil is a shade easier and American peppermint is inactive at present, while both spot and c.i.f. quotations in some directions are lower.

## The Foreign Markets

Imports of Drugs and Chemicals, page 1151

### SENNA AND JAPANESE MINT OIL HIGHER

Prices Advanced Also on Guaiacol Carbonate, Hexamine, Phenazone and Salol—Market Is Easier for Acetic Acid, Menthol, Shellac and Prussiate of Potash  
(Special Cable to Drug & Chemical Markets)

London, Oct. 24—Senna, Japanese mint oil, guaiacol carbonate, hexamine, phenazone and salol are higher. Prices are easier for acetic acid, menthol, shellac and prussiate of potash.

London, Oct. 13 (By Mail)—Offers from Germany which have been persistent for months past have nearly ceased for the time being. A few offers of heavy chemicals and drugs show an advance in prices.

Cascara sagrada has further advanced and the demand continues brisk. Sales are reported up to 117s 6d per cwt. for matured bark and few forward offers are obtainable.

Opium continues a strong market. Cables just received from Smyrna report further sales to Japan at advancing rates up to 27s 6d having been paid for 11½% material.

Formaldehyde continues to arrive freely and the market has given way sharply to £62 per ton.

Cantharides have advanced to 6s per lb. with forward offers from Russia at 5s per lb. c.i.f.

Fine Chemicals—There is a marked improvement in the demand for several French and German specialties notably guaiacol carbonate @ 10s per lb. being dearer; aspirin is in short supply @ 3s 2d per lb.; veronal has advanced to 18s per lb.; salol is cheaper at 3s per lb.

Many salicylates are very firm with upward tendency, but present prices do not yet leave manufacturers a sufficient margin of profit to warrant an increase in production. Stocks therefore remain short.

Phenazone—Business has been done at the higher price of 7s 6d per lb.

Liquorice root, Italian, is in very good supply at 26s 6d per cwt.

Oil of peppermint, U. S. A., is in less demand and can be shaded to 14s 6d per lb. on lower limits cabled from your side.

Total sales by the Chilean Nitrate Producers' Association for shipment after July 1, 1923, amount to 1,280,000 English tons, unshipped sales on June 30, 1923, 140,000 tons, and estimated sales of 90,000 tons by companies outside the association, according to Aitken & Co., Ltd., London. Of the total about 770,000 tons are for Europe, 600,000 tons for United States, 140,000 tons for Japan and other countries. July-September deliveries to the United States amounted to 124,000 tons against 69,000 tons last year.

Wormseed obtained from India has been examined by the Imperial Institute and found to contain 1 per cent santonin, according to a recent Bulletin of the Federation of British Industries. About 190 tons are said to be available for export.

Canada produced 2,576 tons of arsenic in 1922, an increase of 1,085 tons over the 1921 output.

### FOREIGN EXCHANGE

	Par	Current
Great Britain (pound sterling)	\$4.886	\$4.520
France (franc)	.193	.059
Italy (lira)	.193	.045
Germany (mark) per hundred	23.80	.0000001
Czechoslovakia (crown) per hundred	20.30	.029
Poland (marks) per hundred	23.80	.0001
Japan (yen)	.499	.488
Spain (peseta)	.193	.134
Holland (guilder)	.402	.391
Belgium (franc)	.193	.051
Switzerland (franc)	.193	.179
Sweden (crown)	.268	.264
Denmark (crown)	.268	.175
Argentina (peso)	.424	.325
Brazil (milreis)	.324	.094
China (Silver dollar—Hongkong)	.789	.517
(Tael—Shanghai, silver)	1.082	.697
(Tael—Peking, silver)	1.156	.737

### QUICKSILVER PRICES LOWER IN SPAIN

Statistics showing sales of quicksilver and stocks on hand January to July, 1923, as reported by the board of directors of the Mines of Almaden and Arrayanes, have been received by the Department of Commerce from Consul H. A. Boncher, Barcelona:

	Number of flasks (1) Produced or entered in warehouses	With- drawn for sale	Stock on hand at end of month	Value of sales Pesetas (2)
January	4,510	8,773	24,594	2,270,603
February	5,591	6,760	23,425	1,794,085
March	5,784	9,065	20,144	2,262,280
April	4,380	7,900	16,624	2,134,244
May	1,570	832	17,362	225,677
June	1,565	440	18,487	129,159
July	183	1,039	17,633	320,442
TOTALS	23,585	34,809		9,136,490

(1) Each flask contains 34.5 kilograms of quicksilver.

(2) 1 peseta equals \$0.193 at normal, or about \$0.14 at current rate of exchange.

The Consejo de Administracion in meeting on Aug. 7 fixed the price of quicksilver at 297 pesetas per flask of 34.5 kilograms at mine warehouse, with 3½ per cent for cash. Buyers of 1,000 or more flasks are to be conceded an additional 6 per cent discount, which is also to be granted Spanish buyers who use quicksilver in their industry, provided they have paid their corresponding industrial or commercial tax and do not export the quicksilver. One peseta per flask is charged for delivering the quicksilver on board cars at Almaden. It will be noted that the prices have fallen considerably since the end of June, when quicksilver was selling at 340 pesetas per flask.

Robert Culver, London, who was said to have a secret method for making dyes at a fraction of the usual cost, died recently in London. Several years ago he formed a company, which failed owing to the dishonesty of some of its officials and he was reduced to poverty. The process was discovered by a relative in Germany who was killed during the war and no one has the formula.

Agar agar is being produced from seaweed collected off the coast of Mexico, according to a report by Consul Hope, Ensenada, Lower California, Mexico. The collection and exportation is carried on under permits issued by the Mexican Government. The seaweed is said to give a product that is very clear and nearly tasteless.

## FOREIGN MARKETS FOR MEDICINALS

## Commerce Department Tells of Opportunities in Europe and South America

A special report on markets for American pharmaceutical, medicinal and biological preparations has been issued by the Department of Commerce, drawing attention to the opportunities in Europe and South America, and pointing out the competition to be met in leading countries. Germany is still obtaining the largest share of the business in Norway and Sweden, the report says, but is gradually losing her dominant position. The statement says:

"The important thing for American exporters of drugs to consider is the increasing prestige of American goods. The Danish Government manufactures the vaccine used for animals and furnishes it to the cattle owners at the cost of production. Consequently American vaccines would find no market there, except perhaps a new patented product. The United States is also handicapped in putting medicinal preparations on that market, since the Danish drug law of April 29, 1913, practically prohibits the advertising of any medicinal preparation in Denmark.

"In spite of Holland's proximity to European centers of production, American exporters have been able to sell pharmaceutical products to advantage. It is our third largest European market.

"Great Britain is a producer of vaccines, serums, and pharmaceutical products. Patent medicines and drug solutions are in great demand in that country and American patent medicines occupy a prominent place in the market. However, in the case of drug solutions British and French manufacturers seem to be more prominent. Certain patented serums from Germany enjoy a market in Great Britain. American patent medicines are extensively sold and well received in the Irish Free State.

"France, though one of America's leading customers in Europe for medicinal preparations, is a relatively small purchaser, as there is a large manufacture of these articles, especially serums and vaccines, in that country.

"The market for medicinal and pharmaceutical products in Austria and Hungary is practically controlled by Germany and Czechoslovakia, although Austria is a producer of these articles.

"The market for pharmaceutical products in Italy is largely supplied by Germany, which is favored by proximity and the low rate of exchange. The possibility of getting more American drugs into this market will depend upon the price and quality.

"In the northern South American countries—Venezuela and Colombia—the United States has the advantage of proximity and direct transportation, and these countries have proved to be good fields for American products. The market for medicinals and pharmaceuticals in Brazil is small compared to what it might be were the good quality of American goods known and recognized. Diseases such as malaria, hookworm, and anemia are prevalent. In order to create a demand for patent medicines in Argentina it is well to introduce them into the hospitals of Buenos Aires; the result will soon be known in the interior cities. Many American proprietary medicines have been introduced by extensive advertising."

A bill has been passed in the Australian House of Representatives providing for the appropriation of £100,000 each year, from which is to be paid a bounty of £2 5s per ton on all sulfur produced in Australia from Australian pyrites and other sulfide ores or concentrates.

## JAVA INCREASES QUININE EXPORTS

## No Direct Shipments Made to United States—Italy Imports Less, India More

(Special Correspondence to DRUG & CHEMICAL MARKETS)

Buitenzorg, Java, Sept. 14.—During the first six months of the current year the total exports of quinine salts from Java show a marked increase over the figures for the corresponding period of last year, although they are less than shipments for the first half of 1921, when 129,783 kilos were shipped. Last year the figure fell to 56,208 kilos, but this year rose to 94,370 kilos. Holland imported 53,138 kilos, against only 74 kilos last year, whereas Japan's share rose from 3,852 kilos for the first six months of last year to 3,875 kilos during the Jan.-June period this year.

Exports to Italy, always a big quinine consumer, decreased from 30,067 kilos to 7,184 kilos. British India, on the contrary, has increased her imports from 10,906 kilos to 14,650 kilos.

There have been no direct shipments of quinine salts from Java to the United States since 1921, when the United States took 6,389 kilos.

The amount of cinchona bark exported from Java during the first six months of 1923 aggregated 2,853 metric tons, 102 tons less than shipments during the corresponding period of last year, and 678 tons more than the figure for the first half of 1921.

Holland, the biggest market for the Java barks, decreased her imports from 2,042 tons in 1922, to 1,842 tons during the first half of 1923. Great Britain and Japan, on the other hand, have materially increased their imports, Great Britain from 53 tons in 1922 to 257 tons this year, and Japan from 413 tons to 509 tons.

As quantities taken by the quinine manufacturers during last year were below the normal production of the associated estates, the latter were allowed to store their excess stocks on the estates for so long as they were not required by the Amsterdam manufacturers or the Bandoeng factory. The total amount of bark stored on the estates at the beginning of December last year was reported as about 2,400 tons. Under the altered terms of the contract, the quinine manufacturers must take over from the growers the equivalent in bark of the quantity of quinine sold by them, with a minimum of 300,000 kilos of sulfate of quinine per year.

The British producers, who control about 4,500 acres, formed an Association in 1922, selling their whole production to one London quinine manufacturer. This contract expires in 1927.

Most of the estates other than those in the combine, but which have a production of little importance at present, though promising for the future, are owned by Japanese.

The prices for sulfate of quinine, which were forced up by manufacturers during the war, now appear to be too high for the retail trade, and though they are gradually declining, they are still too high to ensure regular sales.

The plan of producers to erect their own so-called "crudum factory" in Java, and thus become a competitor and get a bigger say in the run of the business, was abandoned in 1921, owing to lack of support.

Sales prices of German synthetic nitrogen products (for internal consumption) were announced on Sept. 24, and fixed at 1.05 gold marks for ammonium sulfate, 1.17 gold marks for sodium nitrate, and 1. gold mark for cyanamide, all per unit of nitrogen per 100 kilos. Production is reported greatly reduced owing to unsettled conditions in Germany.

# for Leather

## Brilliant Scarlet Shades

are produced on all grades of leather with

### National Croceine Scarlet MOO

This dye is extensively used in combination where its excellent brilliancy, good fastness, exhausting and leveling properties are particularly valuable.

Test a product sample for its brilliancy as a self shade, and its suitability in your color combinations.

National Aniline and Chemical Co., Inc.

40 Rector Street, New York, N. Y.



Boston  
Providence  
Hartford

Philadelphia  
Chicago  
Charlotte

San Francisco  
Montreal  
Toronto

# "NATIONAL" DYES

## CHEMICAL SEABOARD COMPANY

### Methanol

(Wood Alcohol)

### Acetic Acid

(All Grades)

### Osage Orange

(Dyewood Extract)

### Seaboard Chemical Co.

30 CHURCH STREET

NEW YORK

Telephone Cortland 1027-5519

Cables Seaboard, New York

## HF & G

### ARSENIC

### The HARSHAW, FULLER & GOODWIN CO.

Hanna Building, Cleveland

New York  
Philadelphia  
Chicago

Cincinnati  
St. Louis  
Los Angeles

## Leather Chemicals

### NEWFOUNDLAND OIL IN SHORT SUPPLY

Small Catch This Season Keeps Prices at High Levels

—Formic Acid in Steady Demand—Conservative  
Buying in Extracts—Prussiates Continue Easy—  
Bichromates Holding Steady—Soda Ash Lower

#### Trend of the Market

	Today	Last Week	Last Month	Last Year	War Peak	Pre-War
Acid, Acetic, 28% .....	\$3.38	\$3.38	\$3.38	\$2.92	\$17.00	\$1.50
Acid, Formic .....	.12	.12	.12	.18	1.50	.07
Acid, Lactic, 22% dark .....	.04½	.04½	.04½	.04½	.07	.02
Potassium Bichromate .....	.09½	.09½	.09½	.10	.65	.06½
Epsom Salt, tech. ....	1.80	1.80	1.80	1.70	3.75	1.00
Sodium Prussiate .....	.13½	.13½	.13½	.23	1.25	.18
Soda Ash, 58% .....	1.45	1.45	1.45	1.45	4.10	.69
Sodium Bichromate .....	.07½	.07½	.07½	.07½	.45	.04½
Sodium Hyposulfite .....	2.75	2.75	2.75	3.10	3.75	1.30
Sodium Sulfide, 60% .....	.04	.04	.04	.04½	.10½	.02½
Average .....	.989	.989	.989	.984	3.267	.528

While there has been some improvement in the volume of business in leather chemicals, buying is still along conservative lines, indicating that consumers have not yet swung into their full production. Indications point to increased activity in leather chemicals as tanners in some directions resume operations or gradually increase their output. Chemicals have been holding fairly steady in price. Newfoundland cod oil is in small supply and sellers are asking higher prices as stocks become more difficult to obtain. Menhaden is also firm. Extracts are moving in moderate volume. Bichromates are unchanged. Prussiates continue easy. Soda ash and caustic soda are lower in one direction for contract business over 1924.

**Acid, Acetic**—Some sections are taking supplies steadily, while others are quiet. Prices are unchanged with makers quoting the schedule, 28%, \$3.38@\$.63; 56%, \$6.75@\$.70; 70%, \$8.38@\$.83; glacial, \$12.78@\$.13.53.

**Acid, Formic**—Continues in active demand with prices holding at 12c@14c.

**Acid, Lactic**—Demand from tanning interests has been holding up well. Prices have shown no change and are quoted 22%, dark, 4½c@5c; light, 5½c@6c; 44%, dark, 9½c@10c; light, 11½c@12c; 66%, dark, 14½c@15c; light, 25c@30c.

**Arsenic**—Red sulfide is steady at 15c@15½c. on routine demand.

**Epsom Salt**—Prices have shown no change from previous quotations. Technical is named at \$1.80@\$.20 according to quantity. Imported material named at 90c@\$.100. Domestic U.S.P. at \$2.15@\$.25.

**Extracts**—Buying continues along conservative lines though a better feeling prevails among sellers of extracts in regard to future business. Nearly 26,000 packages of myrobalans were entered at New York last week. Prices have been holding fairly steady with 2c@2½c; cutch, 4¾c@5½c; logwood, 7c@12c; gambier, 8½c@9½c; myrobalans, 4c@5c; quebracho, 3c@4c; sumac, 7c@9c.

**Formaldehyde**—Small orders constitute the bulk of buying. Supplies are in generous volume and prices holding at 12c@12½c.

**Oils**—Some sellers are higher in their prices for Newfoundland oil owing to scarcity and difficulty in

obtaining supplies. Prices are quoted at 70c@72c per gallon in barrels. Menhaden operators are asking 50c gallon for crude oil but buyers are holding off. Refined oils are holding at 65c@68c for light strained and 69c@71c for yellow bleached. Neatsfoot oil is unchanged at 16½c for 20° and 13¾c for the pure.

**Potassium Bichromate**—Buying has shown a little improvement on spot and for contracts. Competition continues keen with prices holding at 9½c@9¾c.

**Soda Ash**—One maker has announced a reduction in prices for deliveries on contract over 1924. Increased business is stated to be the reason for quoting lower prices. New prices name 58% light ash in bags at \$1.38 per 100 lbs., and dense, \$1.45, compared with \$1.45 and \$1.51. Ex-warehouse business, N. Y., named at \$2.00 in bags and \$2.25 in barrels.

**Sodium Bichromate**—Competition continues active and business is reported to be improving gradually. Prices holding at 7½c@7¾c. depending upon seller and quantity.

**Sodium Prussiate**—An easy tone still prevails and sales are being made at 13c. though most sellers quote 13½c. for imported. Domestic named at 14c.

**Sodium Sulfide**—Supplies are still plentiful and easily taking care of present demand. Improved buying is reported in some directions. Solid and broken named at 3¾c@5c. according to quantity and seller. Crystals, 2c@2½c.

### ARGENTINA'S CALFSKIN EXPORTS TO U. S.

Argentine exports of calfskins exhibit a markedly increasing tendency, according to official statistics recently published showing the quantities and destinations of the principal Argentine exports from January 1 to August 2, 1923, according to Consul General Robertson, of Buenos Aires. During 1922 there were exported from this country 1,368,452 calfskins, against 419,803 in 1921 and 205,471 in 1920. During the first seven months of 1923, 759,365 calfskins have been sent forward, as against 509,582 and 70,993, respectively, in the corresponding months of 1921 and 1920.

The United States took 1,005,310 skins of the 1,368,452 exported in 1922, and 366,878 of the 759,365 exported during the first seven months of this year. On the other hand, Germany, which took only 137,263 calfskins during the entire year 1922, has imported 244,010 during the first seven months of the current year. Italy took 143,448 calfskins in 1922, and 83,319 during the first seven months of 1923.

#### OTHER TANNING AND LEATHER MATERIALS

For reports on chemicals, oils, tanning extracts, and other raw materials for the leather industries not reported on this page, see the general market reports on the thirteen preceding pages. For the current market quotations on chemicals and allied products, with specifications and packing, see price list beginning on fifth page toward the back of the book. Prices are for goods f.o.b. New York or works for prompt shipment unless otherwise specified. Read full explanation on first page of price quotations.

# Experience—

This firm has been selling heavy chemicals to the textile, glass, paper, soap and fertilizer industries since 1886.

## ELLIS JACKSON & COMPANY

18 N. FRONT STREET

29 Broadway  
New York

PHILADELPHIA

Howard Building  
Providence



**"COLUMBIA BRAND"**

*Columbia Chemical Division,  
Pittsburg Plate Glass Co., Barberton, Ohio*

## Caustic Soda

All Tests

## Soda Ash

Dense-Light  
Granular if Desired

*Sole Selling Agents*

**The Isaac Winkler & Bro. Co.**

50 BROAD STREET  
NEW YORK

FIRST NAT'L BANK BLDG.,  
CINCINNATI

## THE HELLER & MERZ CO.

505 Hudson St.



New York

Works: NEWARK, N. J.

Branches: BOSTON—CHICAGO  
PHILADELPHIA—SPRINGFIELD, MASS.

*Manufacturers of*

## ANILINE COLORS

*For*

## PAPER—TEXTILES—LEATHER

Write us regarding your color problems. Our laboratory service is unexcelled, and our formulae are accurate and easily followed.

# Paper Chemicals

## CASEIN IMPORTATIONS AFFECT PRICES

Unsettled Market With Declines of 1½clb.—Bleaching Powder Selling at \$1.25—Improved Demand for Paper Chemicals—Chlorine Quoted for Contracts Over 1924—Salt Cake Moving Well—Rosin Lower

	Trend of the Market					
	Today	Last Week	Last Month	Last Year	War Peak	Pre-War
Aluminum Sulfate .....	\$2.40	\$2.40	\$2.40	\$2.40	\$5.50	\$1.50
Blanc Fixe .....	75.00	75.00	75.00	80.00	95.00	45.00
Bleaching Powder .....	1.25	1.25	1.75	2.00	9.50	1.50
Casein .....	.15½	.15½	.15½	.15	.28	.20
China Clay, Dom. ....	10.00	10.00	10.00	15.00	25.00	8.00
Chlorine .....	.05½	.05½	.04½	.05	.30	.08
Salt Cake .....	21.00	21.00	21.00	25.00	80.00	11.00
Satin White .....	.01½	.01½	.01½	.02	.05	.03
Sodium Silicate, 40° ..	.80	.80	.80	.95	1.75	2.00
Rosin, F grade .....	5.80	5.85	5.90	7.25	4.05	20.25
Average .....	11.25	11.30	11.71	14.54	20.14	6.95

Some improvement is reported in the demand for paper chemicals, but buying is still below normal for the season of the year. Pulp mills are said to be slow in resuming operations. Casein has been unsettled during the week owing to recent importations from the Argentine. These imports are arriving somewhat earlier than usual and in view of the quiet demand prices have declined about 1½clb. Sellers of bleaching powder have settled at \$1.25 for October, and \$1.50 will rule for the remaining two months. Chlorine is quoted at attractive prices for large business on contract for 1924. Salt cake is moving regularly. Sulfate of alumina is steady. Lower grades of rosin have declined.

**Acid, Sulfuric**—Demand for this acid continues steady and in good volume. Prices show no change from recent quotations with 66° in tanks named at \$15.00@ \$16.00 in tanks at works; in drums, \$1.10@ \$1.25; carboys, \$1.25@ \$1.50; 60° acid, \$9.00@ \$10.00 in tanks. Oleum continues in limited supplies at \$18.00@ \$19.00 ton in tanks and \$1.50@ \$1.75 in drums.

**Aluminum Sulfate**—New business continues spasmodic but deliveries on contract are proceeding fairly well. Quotations are unchanged and range from \$1.35 @ \$1.40 for commercial and \$2.25@ \$2.40 for the iron-free.

**Blanc Fixe**—Domestic producers quote the dry at \$75.00@ \$80.00 ton at works. Imported, \$70.00@ \$72.00 ton. Pulp, \$50.00@ \$55.00 ton.

**Bleaching Powder**—Practically all sellers are on the basis of \$1.25 for Oct., the price recently announced by one maker. Nov. and Dec. shipments named at \$1.50. Seasonal demand has been slow in recovering but improvement over summer buying is reported.

**Casein**—The market is easier owing to recent importations which have been arriving earlier than usual. Demand has not been up to expectations. Prices now quoted at 15clb. for the Argentine and 14c@ 14½clb. for domestic. Imports at New York last week included 920 bags and 1,368 boxes of casein.

**China Clay**—Little of interest aside from the regular contract deliveries. Prices are steady with quotations at \$10.00@ \$15.00 for domestic material and \$16.00@ \$22.00 for the imported.

**Chlorine**—Contracts for liquid chlorine in tank cars and carlots of ton tanks for 1924 named at 3½c@ 3¾clb. For business in cylinders prices are named at 5½c@ 6clb. Spot cylinders at 6c@ 8clb.

**Salt Cake**—Supplies are in fair volume and buying irregular. Prices range from \$21.00@ \$24.00 ton according to seller and quantity.

**Satin White**—Unchanged at \$1.45@ \$1.50 per 100 lbs.

**Sodium Bisulfide**—Makers quoting the dry at 4½clb. and liquid at \$1.25@ \$1.75 according to strength.

**Sodium Silicate**—Steady with 40° in tanks named at 70c and drums on spot \$1.30@ \$1.40. Sixty degree in tanks, \$1.75.

**Sulfur**—Crude named at \$18.00@ \$19.00 ton at mines and \$14.00@ \$15.00 f.o.b. New York.

**Rosin**—New business has been slow in developing but contract deliveries are reported fairly steady. Prices are easier for the lower grades while better grades are firmer. B to K, \$5.80; M, \$5.85; N, \$6.15; WG, \$6.75; WW, \$7.00.

Shipments of paper from the United States during the month of August again showed an upward tendency, according to figures compiled by the Department of Commerce, reaching a total value of \$2,172,840, compared with \$2,079,267 during July, 1923, and \$2,076,985 during August of last year. Exports of newsprint were slightly greater than in August, but they were still approximately 50 per cent under those for August, 1922. Exports of book paper, on the other hand, which have shown a general upward tendency since the beginning of the year, have again fallen off although owing to better prices the value of the August shipments is somewhat greater than for the same month last year.

Recent statistics on paper production gathered by the government are those of 1921, which show a total production of 5,428,265 tons, of which were 1,739,801 tons paper board, 1,326,638 tons newsprint, 806,876 tons book paper, 703,788 tons wrapping paper, 230,912 tons fine paper, 216,781 tons building, 185,800 tissue, 104,572 tons bag, and 113,097 tons miscellaneous.

Belgo Canadian Paper Co. established a new record for daily production, recently, when over 300 tons of newsprint paper was produced in one day. This will be materially increased when the second of the two newsprint machines that are being installed comes into production toward the end of November.

Conventions of the Technical Association of the Pulp and Paper Industry, the Northern Division of the Cost Association of the Paper Industry, and the Northwest Division of the American Pulp and Paper Mill Superintendents' Association will be held at Appleton, Wis., on Oct. 26.

## OTHER PULP AND PAPER MATERIALS

For reports on chemicals, bleaches, fillers, and other raw materials for the pulp and paper industries not reported on this page, see the general market reports on the thirteen pages immediately preceding LEATHER CHEMICALS. For current market quotations on chemicals and allied products with specifications and packing, see price list beginning on fourth page toward the back of the book. Prices are for goods f.o.b. New York or works for prompt shipment unless otherwise specified. Read full explanation on first page of price quotations.

# METHYL ACETONE

USED VERY LARGELY  
IN THE MANUFACTURE  
OF VARNISH REMOVER

**The Cleveland-Cliffs Iron Company**  
**Cleveland, O.**



Use Diphenyl-guanidine  
and save the expense of  
special handling. It is a  
finely divided, dry, non-  
hygroscopic powder—in  
best form for immediate use.

Dovan Chemical Corporation  
Thirty Church Street  
New York

Diphenyl-guanidine



Pure Benzol  
Pure Toluol  
Benzol 90%  
Nitration Xylol  
Commercial Xylol  
Solvent Naphtha  
Extraction Benzols  
Denaturing Benzols  
Special Fractions of  
Coal Tar Light Oils

*For shipment in tank cars or  
one hundred gallon drums.*

The *Barrett* Company  
40 Rector Street  New York, N. Y.

## Rubber Chemicals

### BENZENE QUOTED LOWER BY ONE SELLER

Others Expected to Follow Suit—Carbon Black Easy With Tendency to Accumulate—White Barytes Active—Hexamethylene Quiet—Acetone Firm—Mineral Rubber in Active Demand

#### Trend of the Market

	Today	Last Week	Last Month	Last Year	War Peak	Pre-War
Carbon Black .....	\$12	\$12	\$15	\$15	\$30	\$14
Carbon Bisulfide .....	.06	.06	.06	.06	.50	.10
Carbon Tetrachl. ....	.09	.09	.09	.09	.70	.07
Benzene, Pure .....	.24	.24	.25	.30	1.10	.25
Antimony Sulfide Crim. ....	.39	.39	.36	.35	.45	.35
Talc, Dom., Ref. ....	18.00	18.00	18.00	20.00	40.00	15.00
Whiting, Dom. ....	14.00	14.00	14.00	18.00	30.00	11.00
Zinc Oxide, Amer. ....	.0834	.0834	.0834	.07	.0914	.09
Lithopone .....	.07	.07	.07	.06	.08	.04
Sulfur .....	3.05	3.05	3.00	2.50	6.50	2.75
Average .....	3.608	3.608	3.606	4.158	7.972	2.979

This week saw a decided improvement in demand for rubber chemicals compared with the week previous. Activity has been noted over a broad field, and some factors think the end of the dull season has come. Buying has not been confined to small parcels, but several round lot orders have passed into consumption. With stocks none too heavy, except in a few cases, and with buyers apparently willing to take on more than routine requirements, a hopeful situation generally predominates the market at the moment. Statistics have come forward showing that the average income of automobile owners is \$1,400 per year. With these facts in view the rubber tire manufacturers are gradually turning their attention to making a cheap but serviceable tire.

One of the largest sellers of benzene has cut the price of 90 per cent material and quotes a flat rate of 21c gal., works, in tanks. Carbon black is showing easier tendencies due to increased production. Hexamethylene is easy. White barytes continues in active demand. Acetone is firm. Mineral rubber shows improvement.

**Acid, Acetic**—Some sections are taking supplies steadily, while others are quiet. Prices are unchanged with makers quoting the schedule, 28%, \$3.38@3.63; 56%, \$6.75@7.00; 70%, \$8.38@8.63; glacial, \$12.78@13.53.

**Acetone**—Acetone oil has been advanced to \$1.25@1.30 per gallon. Stocks have been scarce and demand increasing steadily. Methyl acetone at \$1.17@1.20 gal. in drums, \$1.15 in tanks. C. P. acetone, 25c@25½c lb.

**Aniline Oil**—Market quiet with consumption steady at 16c@17c lb. works, and 17c@18c lb. spot.

**Aluminum Sulfate**—Quoted steady at 5c@6c lb. spot.

**Antimony Sulfide**—Quiet with consumption routine. only at 19c@24c lb. spot for golden, and 39c@50c lb. for crimson as to quality.

**Asbestine**—Fair quantities are being absorbed at \$18@20 ton works.

**Benzene**—Ninety per cent material has been cut by one of the largest sellers and now quoted at 21c@22c gal. works in tanks, and 26c@28c gal. in drums in sympathy with lower gasoline prices. Pure unchanged and easy at 23c@25c gal. in tanks, and 28c@31c gal. in drums. Export business reported at a standstill.

**Blanc Fixe**—Quiet at 4c@4½c lb. f.o.b. New York.

**Carbon Bisulfide**—Fair quantities passing into consumption at 6c@7½c lb. spot as to quality.

**Carbon Black**—Quoted at 12c@14c lb. spot as to quantity and sellers, and contracts at 11½c@12c lb. Compressed named at 13c@15c lb. spot. Production has increased to such an extent that lower figures are likely, according to the trade. However, the expected increase in consumption will offset the larger producing to a certain degree.

**China Clay**—Quoted at \$13@20 ton at points of production for domestic, and imported at \$18@24 ton spot.

**Dimethylaniline**—Quiet at 41c@42c lb. works.

**Diphenylguanidine**—Makers quote \$1.15@1.20 lb. spot as to quantity, and limited amount of resales at \$1.10 lb. Inquiries on increase.

**Hexamethylene**—Quoted easy at 82½c@85c lb. spot as to quantity with possibility of shading these figures on firm offers.

**Iron Oxide**—Quoted at 3½c@7½c lb. spot for Spanish, and 12c@16c lb. for pure English.

**Lithopone**—Named at 7c@7½c lb. works.

**Mineral Rubber**—Active and firm at \$35@50 ton for 300/315 quality.

**Sulfur**—Unchanged at \$3.05@3.30 cwt.; superfine at \$2.50@2.90; and chloride at 6c@7c lb. spot.

**Talc**—Imported quoted in active demand at \$40 ton for French, and \$47@58 ton for Italian. During past week 2,600 bags were imported at New York.

**White Barytes**—Active and firm at \$27@33 ton works.

**Whiting**—Quiet at \$8@15 ton for domestic at points of production; gilders' bolted at \$1.10 cwt. and English cliffstone at \$1.50 cwt.

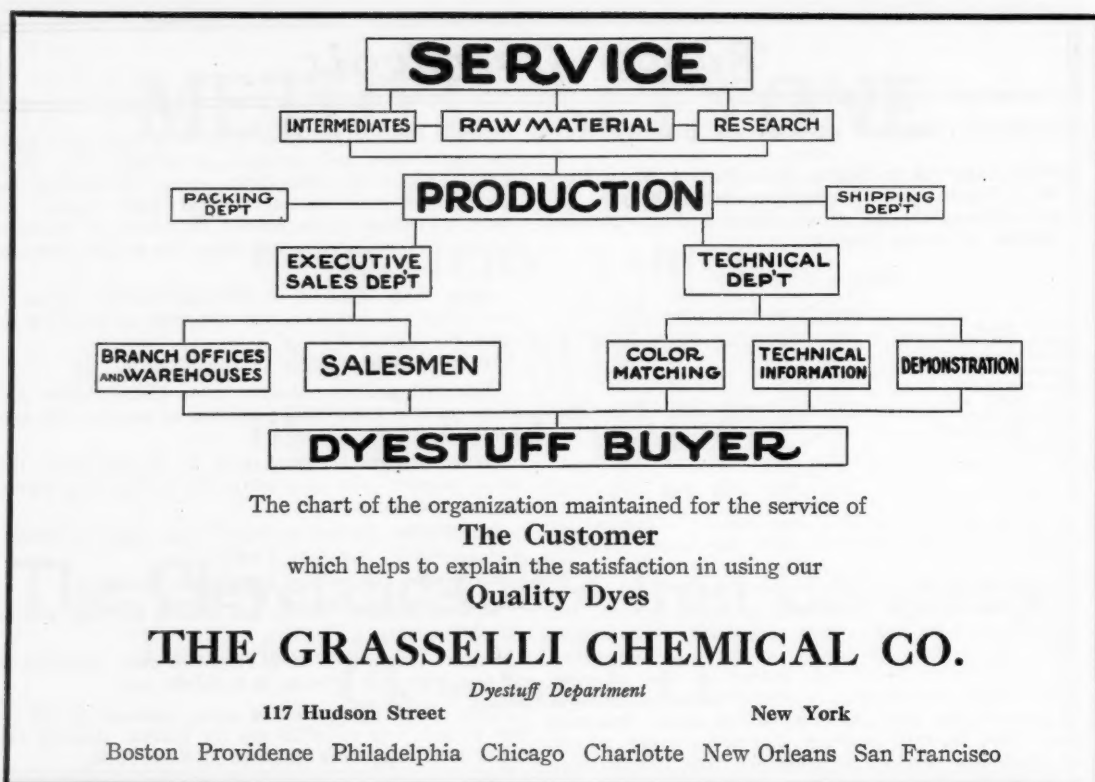
### PREDICTS REVOLUTION IN RUBBER

Dr. Ernest A. Hauser, of Vienna, chief chemist for the Austrian Government and the Metallbank and Metallurgy Gesellschaft, who has been attending the World's Dairy Congress at Washington, is interested in rubber, and before sailing for home, on Saturday last, he said:

"I predict something quite revolutionary in rubber in the near future," he said, "both here and in Europe, but you have somewhat the lead on us in your scientific and mechanical progress respecting rubber. While there are certain things respecting this revolution which I cannot discuss, I believe that the rapid disposition to import latex in place of biscuit rubber is indicative of some of the improvement at hand."

"More and more we will get our rubber in the latex form and that will mean systematic standardization of the gum free from all the variations and impurities it has had in the past. That will mean a purer product and one more easily worked into secondary products. Your experts are pursuing research in latex that cannot but be felt in the near future. I am astonished at the volume of tires you make here, but even that will be small compared with the future of the industry, in my opinion."

A crude rubber plant has been erected at Para, Brazil, according to A. O. Pierro, who was sent to Brazil by the Department of Commerce. The plant has a capacity of seven to eight tons daily.



# for Textiles

*In the dyeing of:*

Wash—Fast Gingham, Overallings, etc., Ooze Leather, Jute and Paper

**National Sulphur Brown 2G**

is extensively used, both as a self shade and in combinations. This dye possesses good fastness to light and excellent fastness to washing, hot pressing, and rubbing.

*Its quality is uniform—it is a "National" Dye*

**National Aniline and Chemical Co., Inc.,**  
 40 Rector Street, New York, N. Y.



Boston  
 Providence  
 Hartford

Philadelphia  
 Chicago  
 Charlotte

San Francisco  
 Montreal  
 Toronto

# "NATIONAL" DYES

## Textile Chemicals

### LOWER PRICES FOR ALKALIS ON CONTRACT

**Large Producer Announces Reduction for Deliveries in 1924—Bleaching Powder at Low Levels—Glauber's Salt in Better Demand—Copper Sulfate Lower—Starches and Dextrines Hold Recent Advances**

#### Trend of the Market

	Today	Last Week	Last Month	Last Year	War Peak	Pre-War
Acid, Acetic, 28%.....	\$3.38	\$3.38	\$3.38	\$2.80	\$17.00	\$1.50
Acid, Oxalic .....	.1134	.1134	.12	.14	.70	.074
Bleaching Powder .....	1.25	1.65	1.75	2.00	9.50	1.50
Copper Sulfate .....	4.90	5.00	5.00	5.90	20.00	4.50
Epsom Salt, U.S.P.....	2.15	2.15	2.15	2.25	4.25	1.50
Glauber's Salt .....	1.30	1.30	1.30	1.25	2.50	.80
Potash, Caustic, Imp.....	.07	.07	.074	.064	.87	.12
Soda Ash, 58%.....	1.45	1.45	1.45	1.45	4.10	.69
Soda Caustic, 76% wks....	3.16½	3.16½	3.16½	3.16½	9.50	1.80
Sodium Bichromate .....	.07½	.07½	.074	.07½	.45	.04¾
<b>Average .....</b>	<b>1.780</b>	<b>1.790</b>	<b>1.830</b>	<b>1.805</b>	<b>4.800</b>	<b>1.42</b>

Announcement of lower prices for caustic soda and soda ash for deliveries on contract over 1924 by a leading producer has been the most important development of the week. The new prices are 6c to 8c lower for ash, depending upon packing, and 6½c and 10c for caustic soda. The reduction is based upon quantity production made possible by the increased demand for alkalis during the year. Bleaching powder is selling at recently established lower levels. Glauber's salt is moving in better volume. Copper sulfate is lower.

**Acid, Acetic**—Some sections are taking supplies steadily, while others are quiet. Prices are unchanged with makers quoting the schedule, 28%, \$3.38@3.63; 56%, \$6.75@7.00; 70%, \$8.38@8.63; glacial, \$12.78@13.53.

**Acid, Sulfuric**—Demand for this acid continues steady and in good volume. Prices show no change from recent quotations with 66° in tanks named at \$15.00@16.00 in tanks at works; in drums, \$1.10@1.25; carboys, \$1.25@1.50; 60° acid, \$9.00@10.00 in tanks. Oleum continues in limited supplies at \$18.00@19.00 ton in tanks and \$1.50@1.75 in drums.

**Bleaching Powder**—Practically all sellers are on the basis of \$1.25 for Oct., the price recently announced by one maker. Nov. and Dec. shipments named at \$1.50. Seasonal demand has been slow in recovering but improvement over summer buying is reported.

**Chlorine**—Contracts for liquid chlorine in tank cars and carlots of ton tanks for 1924 named at 3½c@3¾clb. For business in cylinders prices are named at 5½c@6clb. Spot cylinders at 6c@8clb.

**Glauber's Salt**—Consumers have been taking increased supplies and buying in general has improved. Prices range from \$1.30@1.75 according to quantity for domestic material. Imported named at 85c@95c according to seller.

**Potash, Caustic**—The domestic producer has not been quoting. Imported is slightly firmer though quotations range from 7c@7¼clb. according to seller and quantity. Foreign producers are higher in their views and shipments are stated to be 7c@7¼clb.

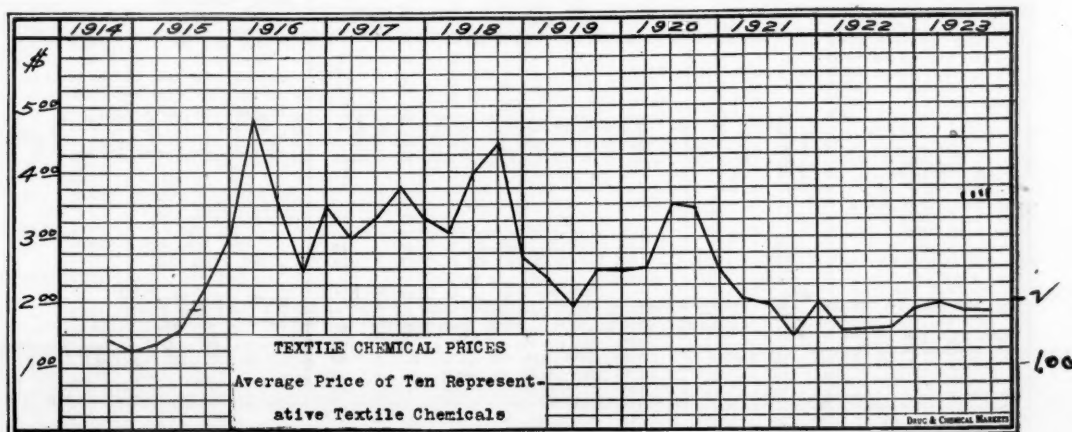
**Potassium Bichromate**—Buying has shown a little improvement on spot and for contracts. Competition continues keen with prices holding at 9½c@9¾clb.

**Soda Ash**—One maker has announced a reduction in prices for deliveries on contract over 1924. Increased business is stated to be the reason for quoting lower prices. New prices name 58% light ash in bags at \$1.38 per 100 lbs., and dense, \$1.45; compared with \$1.45 and \$1.51. Ex-warehouse business, N. Y., named at \$2.00 in bags and \$2.25 in barrels.

**Soda, Caustic**—Lower prices for contract deliveries for 1924 announced by one producer. Carlots of 76% in drums named at \$3.10, a decline of 6½c. Increased production is said to have justified a slight reduction in prices. Other makers are quoting former prices. Dealers named small lots at \$3.70@3.85 according to quantity, ex-store. Export prices named at \$3.00@3.25 depending upon the sale.

Prices remain at levels reached by the recent advances. Demand has been improving steadily, especially from Southern sources. British Gum, \$4.44@4.59; white dextrine, \$4.09@4.19; canary, \$4.14@4.24; powdered starch, \$3.67@3.77; pearl, \$3.57@3.67. Tapioca flour, high grade, 6¼c@6½clb.; medium, 4½c@4¾clb.

Silk and woolen dyes are reported in steady demand but cotton colors continue quiet. The rise in cotton prices has affected the market in textiles and mills that failed to anticipate requirements are faced with high prices and are curtailing operations. Browns have been steady demand.



# Prices Current of Fine and Heavy Chemicals, Drugs, Essential Oils, Dyestuffs and Oils

**CLASSIFICATION**—Prices quoted herein are listed in the following groups: **Chemicals**, including heavy and technical chemicals, fine and medicinal chemicals, aromatic chemicals and isolates, crudes and intermediates from coal-tar, various fine alkaloids, and miscellaneous products; **Crude Drugs, Essential Oils**, including oleoresins; **Fatty Oils**, including Animal, Vegetable and Fish Oils, Greases, Fats, and Tallow; **Tanning and Dye Extracts**, including miscellaneous natural tanning woods, extracts, etc. All groups are arranged in straight alphabetical order.

**Packages**—Prices are for large quantities in original packages of the customary trading units of weight or measure. A container given in connection with a price does not necessarily mean that this is the quantity on which the price is based. Containers named are the original packages most commonly sold in this market.

**QUOTATIONS**—Chemical prices quoted herein are those of American manufacturers unless otherwise specified. Quotations on imported chemicals are so designated. Where resale or "second hand" stocks of any chemical product are sufficient to be considered a factor in determining the market, prices for goods in this class will be quoted in addition to makers' prices available, and indicated as such. Chemical prices quoted herein are for goods spot New York or Metropolitan

District, f. o. b. or ex-store, for immediate shipment, unless otherwise specified. Numerous domestic-made heavy or industrial chemical products are sold principally on a basis of f. o. b. works, and are thus quoted in the list herein, each instance of a "works" price, however, being specified as such.

Fatty Oils prices quoted herein are for goods spot New York unless otherwise noted; f. o. b. mills and Coast prices being designated as such. Crude Drugs and Essential Oils are quoted f. o. b. New York (Manhattan with limitations) for immediate shipment. Tanning and Dye Extracts are quoted spot New York unless otherwise noted.

**WEIGHTS AND MEASURES**—All quotations are made on a basis of avoirdupois pounds and ounces, and American gallons. The following equivalents are given for the reference of exporters, importers, and foreign buyers:

1 Imperial Gallon (British)	—1.20	American Gallons
1 American Gallon	— .833	Imperial Gallon
1 American Gallon	—3.79	Liters
1 Liter	— .264	American Gallon
1 American Gallon (Water)	—8.35	Pounds
1 Pound (Avoirdupois)	— .454	Kilograms
1 Kilogram	—2.20	Pounds

Style and Arrangement Copyright by DRUG & CHEMICAL MARKETS, 1922

## Chemicals

ACETANILID, tech. 150 lb bbls. . . . .	.27	.28
100 lb kgs. . . . .	.28	.30
USP 200 lb bbls. . . . .	.32	.33
Second Hands . . . . .	.31	.32
Acetic Anhydride, 85% 480 lb drs. . . . .	.38	.38
85% 107 lb chys. . . . .	.38	.38
92-95% 100 lb chys. . . . .	.43	.45
Acetone, CP 700 lb drs. c/l wks. . . . .	.25	.25 1/2
700 lb drs. 1c/l wks. . . . .	.25	.25 1/2
350 lb drs. 1c/l wks. . . . .	.25 1/2	.25 1/2
Second Hands, spot. . . . .	.30	.32
Acetone Oils, light, drs. wks. . . . .	1.25	1.30
Heavy, drs. wks. . . . .	1.25	1.30
Acetophenetidin, 150 lb bbls. . . . .	1.85	1.90
Acetyl Chloride, 100 lb chys. . . . .	.40	.41
ACID, 1, 2, 4, 250 lb bbls. . . . .	. . .	1.30
Acetic, 28%, 400 lb bbls. c/l wks. . . . .	. . .	3.38
28%, 1c/l wks. . . . .	. . .	3.63
50%, c/l wks. . . . .	. . .	6.75
50%, 1c/l wks. . . . .	. . .	7.00
70%, bbls. c/l wks. . . . .	. . .	8.38
70%, 1c/l wks. . . . .	. . .	8.63
80% coml. bbls. c/l wks. . . . .	. . .	9.58
80% coml. 1c/l wks. . . . .	. . .	9.83
80% pure bbls. c/l wks. . . . .	. . .	11.41
80% pure 1c/l wks. . . . .	. . .	11.60
Glacial, bbls. c/l wks. . . . .	. . .	12.78
Glacial, 1c/l wks. . . . .	. . .	13.03
Glacial, USP chys wks. . . . .	. . .	13.53
Acetylaldehyde 220 lb bbls. . . . .	.75	.85
Second Hands . . . . .	. . .	1.21 1/2
Anthranilic, ton lots drs. . . . .	. . .	.90
95-98%, 100 lb drs. . . . .	1.00	1.10
99-100%, 100 lb drs. . . . .	. . .	1.20
Bermic, tech. 100 lb bbls. . . . .	. . .	.75
Tech. ton lots bbls. . . . .	. . .	.70
USP, 100 lb bbls. . . . .	. . .	.85
Second Hands . . . . .	.72	.77
Boric, crys. powd. 250 lb bbls. . . . .	.10%	.11 1/4
Brynmor's 250 lb bbls. . . . .	.11 1/4	.155
Butyric, 60% pure 5 lb bot. . . . .	.50	.60
C.P. 10 lb bot. . . . .	1.25	1.50
Camphoric, USP, VIII 1 lb bot. . . . .	5.90	6.00
Carbolic, USP crys. see also Phenol	. . .	. . .
112 lb tins . . . . .	.28	.30
25 lb tins . . . . .	.30	.32
5 lb tins or bot. . . . .	.33	.35
1 lb bot. . . . .	.37	.39
Liquid USP, 1 lb bot. . . . .	.36	.38

ACID, Carbolic—(Continued)		
Crude, 25% 50 gal. bbls. . . . .	.35	.36
10%, 50 gal. bbls. . . . .	.30	.32
Chloroacetic, mono 100 lb bbls. wks. . . . .	. . .	.30
Di, 150 lb chys wks. . . . .	. . .	1.00
Tri, 425 lb bbls. wks. . . . .	. . .	2.45
Chlorosulfonic, 1500 lb drs. wks. . . . .	.15	.16
Chromic, USP 200 lb drums. . . . .	. . .	.40
85% Pure, 200 lb drums. . . . .	. . .	.35
Chromotropic, 300 lb bbls. . . . .	. . .	1.25
Chrysophanic, see Chrysarobin	. . .	. . .
Cinnamic, 5 lb cans. . . . .	. . .	3.93
CITRIC, USP cryst 230 lb bbls. . . . .	. . .	.49
Powd., USP 200 lb bbls. . . . .	. . .	.50
Imported, cryst. 112 lb kgs. . . . .	.49	.50
Single kegs . . . . .	.49	.50
Cleves, 250 lb bbls. . . . .	1.00	1.10
Cresylic, 95% dark dr. NY. . . . .	.70	.75
97-99% straw, drs. wks. . . . .	. . .	. . .
97-99% pale, drs. NY. . . . .	.83	.85
Crude, spot, drums. . . . .	. . .	. . .
Diethylbarbituric, 10 lb lots, 1 lb bot. . . . .	8.50	10.50
Formic, 75% tech. 100 lb chys. . . . .	.11	.12
90%, 75 lb chys. incl. . . . .	.12	.14
Gallic, USP 150 lb bbls. . . . .	. . .	.65
Gamma, 225 lb bbls. wks. . . . .	1.80	1.90
Bbls., ton lots wks. . . . .	1.70	1.80
Glycerophosphoric, 25% 1 lb b. . . . .	1.50	1.60
H 225 lb bbls. . . . .	.30	.35
Bls., ton lots wks. . . . .	. . .	.75
Hydriodic, 10% USP 5 lb bot. . . . .	. . .	.73
Hydrobromic, 48% coml. 155 lb chys. wks. . . . .	.35	.40
48% coml. 10 chys. wks. . . . .	. . .	.40
40% USP 155 lb chys. wks. . . . .	.45	.46
10% USP 100 lb chys. wks. . . . .	.11	.13
Hydrochloric, see also Acid Muriatic	. . .	. . .
CP, USP, 110 lb chys. . . . .	.09	.11
HYDROFLUORIC, 30% 400 lb bbls. wks. . . . .	. . .	.07
30% bbls. c/l wks. . . . .	. . .	.06
30% 100 lb chys. wks. . . . .	. . .	.07
48% single 100 lb chys. wks. . . . .	. . .	.11
48% 10 chys. wks. . . . .	. . .	.10
52% 100 lb chys. wks. . . . .	. . .	.12
52% 10 chys. wks. . . . .	. . .	.11

Acid, hydrofluoric—(continued)		
60% 100 lb chys. wks. . . . .	. . .	.14
80% 300 lb dr. wks. . . . .	. . .	.13
White Acid, 100 lb chys. wks. . . . .	. . .	.26
White Acid, 10 chys. wks. . . . .	. . .	.25
Hydrofluosulfide, 35% 450 lb bbls. wks. . . . .	.10	.12
Hypophosphorous, USP 30% 5 gal. dems. . . . .	. . .	.95
USP, 10% 5 gal. dems. . . . .	. . .	.32
LACTIC, 22% dark 500 lb bbls. . . . .	.04 1/4	.05
22% light, bbls. . . . .	.05 1/4	.06
44% dark, bbls. . . . .	.09 1/4	.10
44% light, bbls. . . . .	.11 1/4	.12
66% bbls, dark, bbls. . . . .	.14 1/4	.15
66% light, bbls. . . . .	.25	.30
USP IX 100 lb chys. . . . .	.70	.75
USP VIII 100 lb chys. . . . .	. . .	.70
Laurent's, 230 lb bbls. . . . .	. . .	.90
Metanilic, 250 lb bbls. . . . .	.60	.65
Mixed, sulfuric-nitric	. . .	. . .
Drums, wks. . . . .N Unit	.07 1/4	.08
Drums, wks. . . . .S Unit	.01	.01 1/4
Tank cars, wks. . . . .N Unit	.07 1/4	.08
Tank cars, wks. . . . .S Unit	.009	.01
Molybdic, 85% pure 1 lb bot. . . . .	1.60	1.70
85% pure, 100 lb kgs. . . . .	. . .	1.85
Monosulfonic F, Delta. 50 lb tins . . . . .	. . .	2.30
MURIATIC, 20% chys. 1c/l wks. . . . .	1.40	1.50
Chys. c/l wks. . . . .	1.25	1.50
Tank cars, wks. . . . .	1.00	1.10
18%, 120 lb chys. c/l wks. . . . .	1.00	1.10
Tank cars, wks. . . . .	.90	1.00
22%, 120 lb chys. c/l wks. . . . .	1.75	2.00
Iron, free 20% chys. c/l wks. . . . .	. . .	. . .
Tank cars, wks. . . . .net ton	. . .	. . .
Muriatic, CP & USP. see Acid Hydrochloric	. . .	. . .
Naphthionic, tech. 250 lb bbls. . . . .	. . .	.62
Refined, single bbls. . . . .	. . .	.65
Neville & Winter's, 250 lb bbls. . . . .	. . .	1.10

*Manufacturers of Ether on a large scale since 1857*

**ETHER SULPHURIC**  
U. S. P. or Anesthesia

**ETHER CONCENTRATED**  
For Technical Use

*We specialize in prompt shipment*

*Manufacturing  
Chemists  
Since 1857*

**CHAS. COOPER & CO.**  
194 Worth Street, New York

*Works  
NEWARK,  
N. J.*

There can be no higher degree of purity than that which  
is presented to you under the label of



**QUININE**  
AND ITS SALTS

*N. Y. Q. Samples and Prices sent on request.*

**The New York Quinine &  
Chemical Works, Inc.**

152-154 William St., New York

Saint Louis Depot: 18 South Broadway

**Automobile Owners and Drivers  
know that**

**P-W-R**  
**PRIMING ETHER**

**MAKES STARTING EASY  
IN COLD WEATHER**

Marketed in 1 lb., 1-2 lb. and 1-4 lb. sealed tins

SUPPLIED BY JOBBERS AND DRUGGISTS  
THROUGHOUT THE UNITED STATES

**POWERS-WEIGHTMAN-ROSENGARTEN CO.**

MANUFACTURING CHEMISTS

New York PHILADELPHIA St. Louis

**SODIUM PHOSPHATE** ALL GRADES

**WILCKES-MARTIN-WILCKES Co.**

135 WILLIAM STREET


NEW YORK CITY

## Chemicals

<b>ACID, NITRIC, 36° 135b</b>			<b>Acid Sulfuric</b>			<b>ALCOHOL—(continued)</b>		
Chys. wks. ....100b	4.75	5.00	Oleum, 20 p.c. 1500b drums,			Isopropyl, crude 50 gal. drs. gal	...	2.25
Chys. c/l wks. ....100b	4.50	4.75	le/l wks. ....100b	1.50	1.75	Refined, 50 gal. drs. ....gal	4.00	4.50
38° single chys. wks. ....100b	5.50	5.75	Drums, c/l wks. ....100b	1.25	1.50	Ref'd, 91%, drs. ....gal	...	3.50
Chys. c/l wks. ....100b	5.25	5.50	Tank cars, wks. ....net ton	18.00	20.00	Methyl, see Alcohol, Wood		
40° Single chys. wks. ....100b	6.00	6.50	Contract cars, wks. ....ton	...	...	Propyl, nml. crd 50 gal. drms. gal	...	4.40
Chys. c/l wks. ....100b	5.75	6.00	Oleum, 40% drs le/l wks. net ton	...	40.00	Refined, 10b can. ....b	...	.75
42° Single chys. wks. ....100b	6.75	7.50	Oleum, 60% drs. le/l wks. net ton	...	70.00	Denatured		
Chys. c/l wks. ....100b	6.50	7.00	Sulfurous, USP 6% 100b chys. b	.05	.06	No. 1 Complete Denat. 188 Proof		
C. P. chys. single wks. ....100b	.14	.16	4% 100b chys. ....b	.04	.05	50 gal. bbls. incl. ....gal	.52	.54
Oxalic, 325b bbls. wks. ....b	.11½	.12	USP, 5 gal. demis. ....b	.06	.08	50 gal. drums, extra. ....gal	.47	.49
Rols., NY ....b	.12½	.12½	Tannic, tech. 300b bbls. ....b	...	.45	No. 1 Special Denat. 190 Proof		
Keps. 100b NY ....b	.13	.13½	USP, powd. 200b bbls. ....b	.80	.83	50 gal. bbl. incl. ....gal	.50	.52
Imp., 560b casks. ....b	.12	.12½	USP, fluffy, 50b bbls. ....b	.80	.83	50 gal. drums, extra. ....gal	.44	.46
Phosphoric, 50% tech. 100b chys.	.08	.09	Tartaric USP cryst 300b bbls. b	...	.34½	No. 5 Complete Denat. 188 Proof		
USP, 85% syrupy. 70b demis.	.16	.17	USP, powd. 300b bbls. ....b	...	.34½	50 gal. bbls. incl. ....gal	.49	.51
Phthalic, see Phthalic Anhydride			Imp. USP, 240b bbls. ....b	.31½	.32½	50 gal. drums, extra. ....gal	.43	.45
Picramic, 300b bbls. ....b	...	.65	Powd. 240b bbls. ....b	.32½	.33½	No. 6 Complete Denat. 188 Proof		
Picric, 450b bbls. ....b	...	.30	Tobias, 250b bbls. ....b	1.00	1.10	50 gal. bbls. incl. ....gal	.40	.51
Bols, car lots wks. ....b	.20	.25	Tungstic, 100b kegs. ....b	...	1.00	50 gal. drums, extra. ....gal	.42	.44
Pyrogallie, crys. 5b cans. ....b	1.10	1.20	Valeric, C.P., 10b bot. ....b	4.00	4.25	In addition to the regular authorized formulae for completely denatured alcohol, some 75 formulae for specially denatured alcohol are authorized for special uses. Owing to the limitations of their uses however, prices are quoted by the alcohol producers only to holders of permits allowing the use of specially denatured formulae in products authorized by the Dept. of Internal Revenue.		
Resublimed, 5b cans. ....b	1.50	1.60	Aconitine Alk. cryst. 1 oz. vis. oz	...	30.00	Aloin, USP 100b cases. ....b	.87	.90
Tech. powd., 200b bbls. ....b	...	.80	Amorphous, 1 oz. vis. ....oz	...	20.00	Alpha-Naphthol, crude 300b bbls. b	...	.65
Salicylic, tech. 125b bbls. ....b	.32	.33	Adeps Lanae, hydrous 350b bbls. b	.21	.23	Refined, 300b bbls. ....b	...	.75
USP, 100b bbls. ....b	...	.35	Anhydrous, 350b bbls. ....b	.23	.24	Alpha-Naphthylamine, 350b bbls. b	.35	.37
Second Hands ....b	.34	.35	Albumen, Egg, edible. ....b	1.10	1.20	Ton lots, bbls, wks. ....b	...	.35
Sulfanille, 250b bbls. ....b	.17	.20	Technical, see Dyers Sundries					
<b>SULFURIC, 66° 180b chys.</b>			<b>ALCOHOL, USP 190 pf. 50 gal. bbls.</b>	4.74	4.82			
le/l wks. ....100b	1.50	1.75	Second Hands, bbls, USP 190 pf.	...	...			
Chys. c/l wks. ....100b	1.25	1.50	Export, USP, 190 pf. ....gal	.45	.83			
1500b Drums, le/l wks. ....100b	...	1.25	Cologne Spirit, 50 gal. bbls. gal	4.77	4.87			
Drums, c/l wks. ....100b	...	1.10	<b>WOOD, see Methanol</b>					
Tank cars, wks. ....net ton	15.00	17.00	Alcohols, also in 50 gal. drums, extra and returnable.					
60° 1500b Drums.			Amyl, see Oil Fuel					
le/l wks. ....100b	.70	.90	Butyl, 50 gal. drums. ....b	.45	.50			
Drums, c/l wks. ....100b	.60	.80	Isobutyl, crude 50 gal. drums. gal	...	...			
Tank cars, wks. ....net ton	9.00	11.00	Refined, 10b can. ....b	2.00	2.50			
C. P. 175b chys. ....100b	...	.09						

# General Chemicals

A MARK OF PLEDGED RESPONSIBILITY



ON PRODUCTS OF STANDARD MERIT

## Ammonia Alum

Sulphuric Acid  
Acetic Acid  
Epsom Salt  
Mixed Acids  
Hydrochloric Acid

Nitric Acid  
Aluminum Sulphate  
Aqua Ammonia  
Copperas Nitrate Iron  
Hydrofluoric Acid

Salt Cake  
Tin Crystals  
Sodium Sulphide  
Sodium Silicate  
Sodium Phosphate

**GENERAL CHEMICAL COMPANY**  
40 Rector Street, New York

Baltimore  
Buffalo

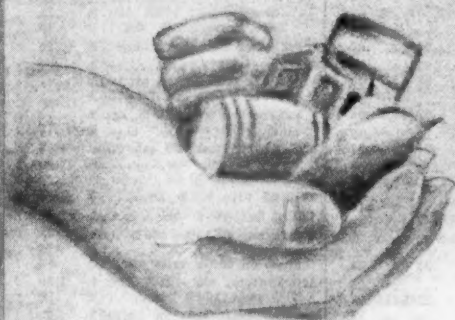
Chicago  
Cleveland

Denver  
Easton

Philadelphia  
Pittsburgh

Providence  
San Francisco

The Nichols Chemical Co., Ltd., Montreal  
Cable Address: Lycurgus, N. Y.



## An Offering To the Textile Industry

The Klipstein organization offers the cumulative knowledge gained in a fifty-one year period of contact with those Chemical Industries governing Textile Processes from the raw fibre to finished fabric.

The practical application of this combined Mill and Laboratory research is exemplified in

### KLIPSTEIN TEXTILE CHEMICALS

Sizings Softeners Finishes  
Dyestuffs and Colors

BICHROMATES CAUSTIC POTASH

BETA NAPHTHOL PRUSSIATES

POTATO FLOUR DEXTRINE

FORMIC ACID STARCHES

PARANITRANILINE

SULPHONATED OILS TURKEY RED OIL

CHROME CHLORIDE

## A. KLIPSTEIN & CO.

644-52 Greenwich St.

NEW YORK CITY

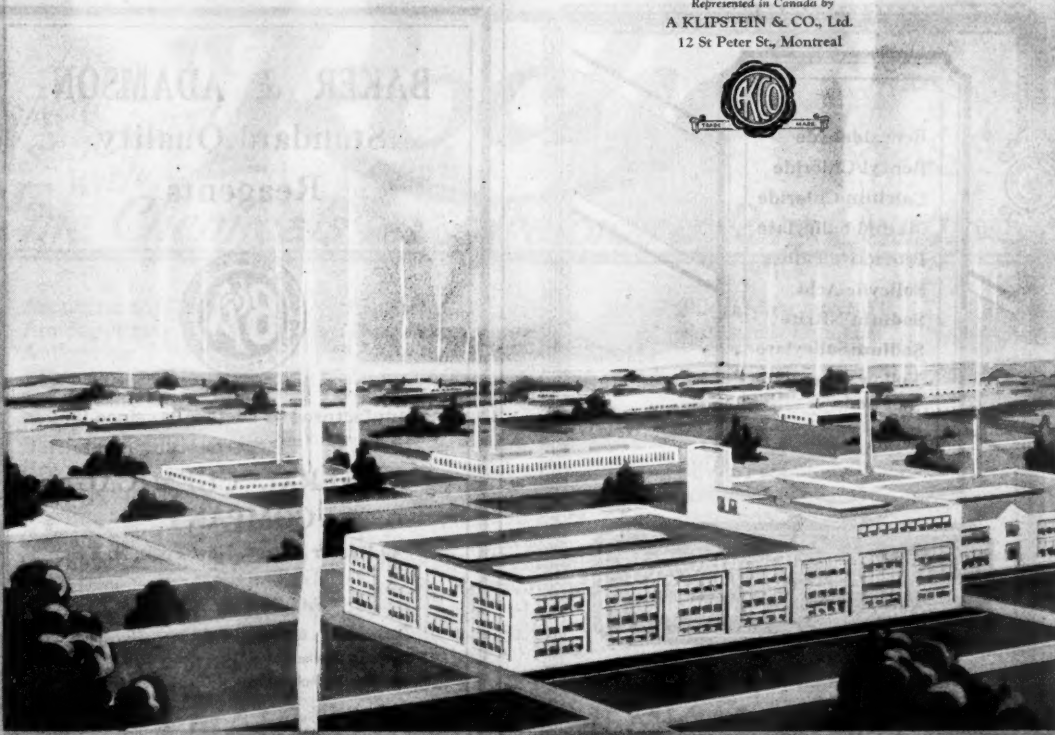
Branches:

Boston Philadelphia Chicago Providence, R. I. Charlotte, N. C.

Represented in Canada by

A. KLIPSTEIN & CO., Ltd.

12 St Peter St., Montreal



## Chemicals

<b>ALUM, Ammonia, lump 400 lb bbls.</b>			<b>AMMONIA anhyd. 100 lb cyl....lb</b>			<b>AMMONIUM—(Continued)</b>		
wks. ....100 lb	3.50	: 3.65	Water, 26° 800 lb dra. wks..lb	...	: .30	Persulfate, 112 lb cases.....lb	.40	: .45
Imp., 500 lb casks.....100 lb	3.50	: 4.00	Dra. c/l wks.....lb	...	: .07 1/4	Phosphate, dibasic 200 lb bbls..lb	.35	: .36
Ground, 400 lb bbls. wks.100 lb	3.65	: 3.75	C.P., chys.....lb	...	: .14	Tech., powd. 325 lb bbls....lb	.15	: .17
Powd., 380 lb bbls. wks.100 lb	3.90	: 4.00	Imp., 800 lb dra.incl.spot..lb	...	: .06 1/4	Salicylate, USP 100 lb kegs...lb	.80	: .85
Chrome 500 lb cks wks.100 lb	5.50	: 6.00	26° 100 lb chys. lc/l wks..lb	.08 1/4	: .09 1/4	Sulfate, bulk c/l wks.....100 lb	...	: 3.20
Potash, lump 400 lb bbls.			Chys., c/l wks.....lb	.08 1/4	: .09	200 lb single bgs c/l wks.100 lb	...	: 3.30
wks. ....100 lb	...	: 4.50	20° 800 lb dra. lc/l wks..lb	...	: .08	200 lb double bgs. f.a.s.100 lb	...	: 3.65
Bbls. c/l wks.....100 lb	...	: 4.25	Chys., lc/l wks.....lb	.07 1/4	: .08	Sulfreanide, tech. 100 lb kgs..lb	...	: .50
Cont. bbls. c/l wks.100 lb	...	: 4.25	18° 800 lb dra. lc/l wks..lb	...	: .05 1/4	CP, 25 lb jars.....lb	.75	: .80
Imp. 650 lb cases s.p..100 lb	3.00	: 3.25	Chys., lc/l wks.....lb	...	: .07 1/4	Amyl Acetate, tech. 50 gal. dra.gal	4.50	: 4.75
Ground, 400 lb bbls. wks.100 lb	4.35	: 4.60	Ammonium Acetate, 100 lb kegs..lb	...	: .40	Pure, 5 gal. cans.....gal	7.00	: 8.00
Imp. 650 lb casks.....100 lb	3.00	: 3.25	Benzonate, USP, 1 lb bot....lb	.98	: 1.05	Alcohol, see Fuel Oil		
Powd., 380 lb bbls. wks.100 lb	4.50	: 4.75	Fluoride, 300 lb bbls.....lb	.22	: .23	<b>ANILINE OIL, 900 lb drs.....lb</b>	.16	: .17
Chrome, 700 lb cks wks.100 lb	5.50	: 6.00	100 lb kegs.....lb	.23	: .24	Aniline Salt 200 lb bbls.....lb	.23	: .24
Soda, grd. 400 lb bbls. wks.100 lb	...	: 4.00	Bromide, 50 lb boxes.....lb	...	: .33	Anthracene, 40-45% 600 lb casks		
Bbls. c/l wks.....100 lb	...	: 3.50	Imported, 112 lb boxes.....lb	.17 1/4	: .18 1/4	wks.....lb	.12	: .17
Aluminum, metal, c/l NY...100 lb	25.00	: 26.00	Carb. tech. 560 lb casks.....lb	...	: .09	80-85%, 600 lb casks wks...lb	.75	: 1.00
Chloride, anhyd. 275 lb drs..lb	.20	: .22	Powd., tech. 385 lb bbls..lb	...	: .09 1/4	Anthraquinone, subl 125 lb bbls..lb	1.30	: 1.35
30% sol. 120 lb chys.....lb	.03 1/4	: .04	USP, lump, 100 lb kegs.....lb	...	: .09 1/4	30% paste 350 lb bbls.....lb	.80	: .85
Hydrate 96% light 90 lb bbls..lb	.18 1/4	: .20	Powd., 100 lb kegs.....lb	...	: .10 1/4	Antimony metal, slabs ton lots 100 lb	7.50	: 7.75
<b>SULFATE, Iron-free bags c/l</b>			<b>Chloride, Domestic</b>			Needle Powd., 100 lb cases...lb	.06 1/4	: .06 1/4
wks. ....100 lb	2.25	: 2.40	White gran. 250 lb bbls.NY..lb	...	: .08	<b>ANTIMONY CHLORIDE, anhyd 1000 lb</b>		
Imported, spot.....100 lb	...	: 2.25	Bbls., c/l wks.....lb	...	: .07 1/4	drs.....lb	...	: .35
Comm'l., 1/4% iron, bgs. c/l			Gray 250 lb bbls. wks.....lb	.08 1/4	: .08 1/4	50 lb crocks.....lb	.45	: .48
wks. ....East 100 lb	...	: 1.40	Bbls., c/l wks.....lb	.08	: .08 1/4	Sol'n, 130 lb carboys.....lb	...	: .11
Cont. bgs. c/l wks. E.100 lb	...	: 1.40	Imp. wh. 600 lb cases spot..lb	.06 1/4	: .06 1/4	Oxide, 500 lb bbls.....lb	.07	: .07 1/4
Bags, c/l wks. W...100 lb	...	: 1.35	Gray, 600 lb casks spot..lb	.07	: .08	Salt, dom. 500 lb bbls.....lb	.24	: .25
Bbls., c/l wks. East.100 lb	...	: 1.55	Lump, 500 lb casks spot....lb	.14	: .15	Imp., NY.....lb	.19	: .20
Bulk, c/l cont. wks. E.100 lb	...	: ...	Ichthyolate, as to brand.....lb	3.75	: 4.00	Sulfuret, golden 500 lb bbls...lb	...	: .21
Amidol, (see Diaminophenol)			Iodide, USP, 25 lb jars.....lb	...	: 5.20	336 lb kegs.....lb	...	: .19
Amidopyrine, 10 lb boxes.....lb	4.60	: 5.00	Lactate, 500 lb bbls.....lb	.15	: .16	Crimson, 500 lb bbls.....lb	...	: .38
1 lb cartons, 10 lb.....lb	...	: ...	Nitrate, tech. crys. 225 lb bbls lb	...	: ...	336 lb kegs.....lb	...	: .36
4-methoxybenzene, 110 lb kgs...lb	...	: 1.15	Refined Crystals, bbls.....lb	.18	: .20	Red, 500 lb bbls.....lb	...	: .45
			CP gran. 100 lb kegs.....lb	.35	: .37	336 lb kegs.....lb	...	: .42
			Oxalate, pure, 100 lb kegs...lb	.40	: .42	Tartrolactate, 500 lb bbls....lb	...	: .45
						Antipyrine, USP, 100 lb cases...lb	2.35	: 2.50
						Apomorphine Hydrochloride, 1/4 oz. via.oz	19.10	: 19.35
						Arecoline Hydrobromide, 1 oz. vial..oz	9.00	: 10.50
						Argols, red powd. 350 lb bbls...lb	.08 1/4	: .07

**Benzaldehyde**  
**Benzyl Chloride**  
**Calcium Chloride**  
**Methyl Salicylate**  
**Protective Paints**  
**Salicylic Acid**  
**Sodium Nitrite**  
**Sodium Salicylate**  
**Yellow Prussiate of Soda**  
**Salt**

**SEMET-SOLVAY**  
 SYRACUSE NEW YORK

NEW YORK, N.Y. CHICAGO, ILL. BOSTON, MASS.

**BAKER & ADAMSON**  
**Standard Quality**  
**Reagents**



Manufactured in Easton Pa. since 1884

**GENERAL CHEMICAL COMPANY**  
 40 Rector Street, New York, N. Y.

**SALES OFFICES:**  
 Baltimore Buffalo Chicago Cleveland  
 Pittsburgh Philadelphia Providence San Francisco  
 and The Nichols Chemical Co., Ltd., Montreal

## Chemicals

Arsenic, metal 220 lb kegs.....lb	..	: .45	Benzidine Base, dry 250 lb bbls. lb	..	: .82	BISMUTH—(Continued)		
Red, 224 lb kegs cases.....lb	..	: .15 1/4	10 bbl. lots.....lb	..	: .82	Subiodide, 5 lb lots.....lb	..	: 4.70
White, 550 lb bbls., c/l NY.....lb	..	: .13 1/4	Benzidine Sulfate, paste 350 lb			Subnitrate, USP, 250 lb bbls.....lb	..	: 2.90
Aspirin, see Acid Acetylsalicylic			bbls.....lb	..	: .70	Second Hands, bbls. or less.....lb	..	: 2.80
Atropine Alk. USP, 1 oz. vial.....oz	7.50	: 8.00	Benzol, see Benzene			Cones, 1 lb bot.....lb	..	: 3.95
Sulfate, 5 oz. cans.....oz	..	: 4.00	Benzonaphthol, 5 lb boxes.....lb	3.50	: 3.60	Subsalicylate, USP, 175 bbls.....lb	..	: 3.10
Single ounce.....oz	..	: 4.17	Benzoyl Chloride, 500 lb drs.....lb	..	: 1.00	Tannate, 1 lb bot.....lb	..	: 2.73
BARIUM BINOXIDE, see Barium dioxide			Benzyl Acetate, 100 lb cbs.....lb	1.40	: 1.50	above on basis 25 lb lots		
Carbonate, precip., 800 lb bbls.			Alcohol, 5 lb bot.....lb	1.60	: 1.70	Smaller lots at an advance.		
wks.....ton	70.00	: 70.00	Benzocate, 5 lb bot.....lb	1.50	: 1.60	Blanc Fixe, dry 400 lb bbls, wks ton	75.00	: 80.00
Imports, bbls., spot.....ton	75.00	: 77.00	Medicinal FFC.....lb	1.75	: 1.85	Imported, bbls.....ton	70.00	: 72.00
Precip., 200 lb bgs, wks.....ton	..	: 70.00	Chloride, 95% tech. 925 lb drs. lb	..	: .30	Paste, 650 lb bbls.....ton	50.00	: 55.00
Chloride, 800 lb bbls. wks.....ton	..	: 90.00	100 lb cbs.....lb	.30	: .35	BLEACHING POWDER, 700 lb drs.		
200 lb bgs. wks.....ton	88.00	: 90.00	Redistill. 100 lb cbs.....lb	.40	: .45	c/l wks.....100 lb	1.25	: 1.50
Import, bbls., spot.....ton	82.50	: 85.00	Formate, 1 lb bot.....lb	4.00	: 4.25	Drums lc/l ex-warehouse.....100 lb	..	: 1.75
Dioxide, 88% 690 lb drs.....lb	.17	: .18	Berberine Hydrochloride, 1 lb bot.....lb	..	: 22.50	Contract, c/l wks.....100 lb	1.25	: 1.50
Import, 83-85% 400 lb drs. lb	.14	: .16	Sulfate, acid or neut. 1 lb bot. lb	..	: 22.00	F. a. a. c/l.....100 lb	..	: ..
Hydrate, 500 lb bbls.....lb	.05	: .06	BETA-NAPHTHOL, 350 lb bbls, wks. lb	.22	: .23	Imported, spot.....100 lb	..	: ..
Iodide, 5 lb box.....lb	..	: 5.15	Ton lots, wks.....lb	.21	: .22	Blue Ointment, see Mercury		
Nitrate, 700 lb casks.....lb	..	: .10	Sublimed.....lb	.55	: .60	Mass, see Mercury		
Import casks.....lb	.07 1/2	: .08	Beta-Naphthylamine, tech. 200 lb.			Bone Ash, 100 lb kegs.....lb	..	: .08
Sulfocyanide 400 lb bbls.....lb	..	: .35	bbls.....lb	..	: .76	Black, 200 lb bbls.....lb	.08	: .08
Barytes, floated 350 lb bbls.....ton	33.50	: 35.00	Sublimed, 200 lb bbls.....lb	..	: 1.35	Borax, USP, crys. 400 lb bbls.....lb	.05 1/4	: .06
Bay Rum, Porto Rican, genuine			Bichloride Mercury, see Mercury Bichloride			Powdered, USP, 300 lb bbls.....lb	.05 1/4	: .06
Denat. salicy acid or tartar emetic			BISMUTH metal, 150 lb cases.....lb	2.80	: 2.85	Kegs, USP, 100-150 lb.....lb	.06	: .06 1/2
45 gal. bbls.....gal	2.75	: 3.00	Second Hands.....lb	2.80	: 2.85	Bordeaux Mixture, powd. bbls.....lb	.12	: .15
Denat. quinine sulf. 45 gal.			Ammon. Citrate, USP 5 lb bxs. lb	..	: 5.75	Paste, bbls.....lb	.08	: .10
bbls.....gal	2.85	: 3.00	Betanaphtholate, 5 lb bxs.....lb	..	: 3.35	Borneol, 1 lb bot.....lb	..	: 3.50
Domestic synthetic, 50 gal.			Citrate, USP 5 lb bxs.....lb	..	: 3.15	Bromide, see potass. bromide, etc.		
bbls.....gal	1.10	: 1.25	Nitrate, 25 lb jars.....lb	..	: 2.00	Bromine, bot. in 60 lb cs. wks.....lb	..	: .29
Benzaldehyde, tech. 945 lb drs.			Oxychloride, 250 bbls.....lb	..	: 3.50	Bromobenzene, 600 lb drums.....lb	.40	: .42
wks.....lb	.75	: .80	Phenolsulfonate, 5 lb cans.....lb	..	: 3.20	Bromoform, USP 5 lb bot 50 lb cs. lb	..	: 1.50
USP, 40 lb cbs.....lb	1.50	: 1.60	Salicylate, 250 bbls.....lb	..	: 2.00	Erucine Sulfate, 100 ozs.....oz	..	: .20
FFC, 40 lb cbs.....lb	1.75	: 1.85	Subcarbonate, USP, 250 bbls.....lb	..	: 3.40	Butter of Antimony, see Antimony Chloride		
BENZENE, 90% 8000 gal. tanks			X-Ray diag. 1 lb bot.....lb	..	: 3.80	CADMIUM, metal 100 lb bxs.....lb	1.20	: 1.25
wks.....gal	.21	: .22	Subgallate, USP 175 lb bbls.....lb	..	: 2.80	Bromide, 50 lb cases jars.....lb	..	: 1.10
110 gal. drs. wks.....gal	.26	: .28				Iodide, 10 lb bot.....lb	..	: 4.45
Pure, Tanks, wks.....gal	.23	: .25				Sulfide, cs.....lb	1.50	: 1.60
110 gal. drs. wks.....gal	.28	: .30						

# The Name Associated With **Roche** Fine Chemicals and Alkaloids of Rare Quality

Aconitine and Salts  
 Amidopyrine  
 Antipyrine  
 Apomorphine Hydrochloride  
 Arecoline Hydrobromide  
 Atropine and Salts  
 Berberine and Salts  
 Brucine and Salts  
 Caffeine and Salts  
 Cocaine and Salts  
 Codeine and Salts  
 Colchicine Alkaloid, U. S. P.  
 Colchicine Salicylate  
 Creosote, U. S. P.  
 Creosote Carbonate

Cumarin  
 Diacetylmorphine  
 Alkaloid and Hydrochloride  
 Digitalin Pure  
 Duboisine Sulphate  
 Emetine and Salts  
 Eserine and Salts  
 Guaiacol Liquid  
 Guaiacol Carbonate  
 Homatropine and Salts  
 Hydrastine and Salts  
 Hydrastinine Hydrochloride  
 Hyoscine Hydrobromide  
 Hyoscyamine and Salts  
 Morphine and Salts  
 Phenolphthalein

Pilocarpine and Salts  
 Potassium Guaiacol  
 Sulphonate "Alta" Brand  
 Salicin  
 Saponin Purified  
 Scarlet Red Medicinal  
 Genuine "Biebrich"  
 Silver Proteinate  
 Sodium Cacodylate  
 Sparteine Sulphate  
 Strophanthin  
 Strychnine and Salts  
 Theobromine and Salts  
 Veratrine and Salts  
 Yohimbin Hydrochloride

THE HOFFMANN-LA ROCHE CHEMICAL WORKS NEW YORK

## Chemicals

<b>CAFFEINE</b> ALK, USP 5 lb cans..D			4.00	:	4.25	<b>CAMPOR</b> , Amer. ref. 250 lb					
Second Hands .....				:	4.00	bbls. ....					.93
Hydrochloride, 1 lb bot.....D			7.12	:	7.32	2 1/2 lb slabs, 100 lb cs.....D					.94
Sulfate, 1 lb bot.....D				:	5.50	1 lb cakes, 100 lb cs.....D					.94 1/2
Citrate, 25 lb cans.....D			3.00	:	3.10	1 oz. tab., 1 lb ctms. ....					.98 1/2
Hydrobromide, 1 lb bot.....D				:	4.75	100 lb cs. ....					.98 1/2
<b>CALCIUM</b> Acetate, 150 lb bgs, c/l				:		1/2 oz. tab., 1 lb ctms. ....					.99
100 lb .....				:	4.00	100 lb cs. ....					.86
Arsenate, 100 lb bbls. c/l wks.D			.15	:	.15 1/2	Jap. ref. 2 1/2 lb slabs, 100 lb					.87
Bbls. lc/l wks.....D			.15 1/2	:	.18	cs. ....					1.01
Bromide, 100 lb cs.....D				:	.44	1 oz. tab., 100 lb cs. 1 lb					1.03
Calcium Carbide, 220 lb dr c/lwks.D				:	.04 1/2	tins .....					.90
Drums lc/l wks.....D				:	.05	1/2 oz. tab. 100 lb cs. 1 lb					.72
Carbonate, tech. 100 lb bags				:		tins .....					1.75
c/l .....			1.00	:	1.10	Chinese ref. 2 1/2 lb slabs 100 lb					.60
USP, precip. 175 lb bbls..D				:	.04	cs. ....					.75
Chloride, solid, 650 lb drs. c/l				:		Crude, 100 lb cs.....D					.85
f.o.b. NY .....				:	24.50	Camphor, Monobrom. 100 lb cs..D					.62
Gran., 350 lb drs. c/l f.o.b.				:		Caramel, 50 gal. bbls.....gal					.80
NY .....				:	30.50	Carbazol, 250 lb bbls.....D					.06 1/2
Flake 330 lb drs. c/l drs. f.o.b.				:		Carbon Bisulfide, 500 lb dr. lc/l NY					.12
NY .....				:	30.50	c/l drums, NY.....D					.10 1/2
Anhyd., 350 lb drs. f.o.b. NY.D			.13	:	.20	Carbon Black, 12 1/2 lb bags, wks.D					.09
Glycerophosphate, 250 lb bbls..D			1.50	:	1.00	Carbon Tetrachloride, 1400 lb drs.					.10 1/2
Hydrate, (see Lime) .....				:		NY .....					.08
Iodide, 5 lb bot.....D				:	4.35	Drums, c/l NY.....D					.10 1/2
Lactate, tech. 500 lb bbls.....D				:	.13 1/2	700 lb drs. single NY.....D					4.75
U.S.P. ....			.50	:	.60	Carmin, No. 40 5 lb boxes.....D					.40
Nitrate, 220 lb bbls. c/l NY ton				:	40.00	Casein, edib. 100 lb keg.....D					.15 1/2
Phosphate, tech. 350 lb bbls..D			.09	:	.10	Technical, 200 lb bbls.....D					4.00
Phosphate, precip. tribasic 300				:		Castoreum, 1 lb boxes.....D					.13 1/2
lb bbls, wks.....D			.10	:	.11	Castor Oil, USP 50 gal. bbl.....D					.14
Phosphate, mono. ....			.07	:	.09	Cases, 80 lb 2 tins.....D					
Sulfocarbamate, 100 lb kegs....D			.55	:	.57	Tech., see Fired Oils					
Calomel, see Mercury				:		Caustic Potash, see potash, caustic					
				:		Soda, see soda, caustic					
				:		Cellulose Acetate, 100 lb cases..D					1.75
				:		Cerium Oxalate, USP 100 lb kgs.D					2.00
				:							.43

Chalk, drop 175 lb bbls.....D				:	.03 1/2	Chloroform, USP 50 lb drs..D					.35
Precip. light 250 lb csks.....D			.04 1/2	:	.04 1/2	Second Hands, 650 lb drs..D					.32
Precip. heavy 500 lb csks.....D			.03 1/2	:	.04	Technical, 650 lb drums.....D					.32
Bulk .....			5.00	:	8.00	Chromium Acetate, 20° soln. 400 lb					.08
Precip. English, 7 lb bags.....D				:	.07 1/2	bbls. ....					.10
Charcoal, Bone, see bone black				:		Fluoride, Powd. 400 lb bbls..D					.80
Wood, powd. 100 lb bbl.....D			.04	:	.05	Soln. 400 lb bbls.....D					.07
Willow, powd. 100 lb bbl.....D			.06	:	.07	Sulfate, 400 lb bbls.....D					2.00
China Clay, imp. ....			16.00	:	22.50	Chrysarobin, USP, 5 lb cans....D					.70
Domestic, fob Mine.....ton			10.00	:	15.00	Cinchonidin alk., powd. 100 oz. tins					.75
Chloral Hydrate, USP 100 lb drs.D			.70	:	.75	Crystal .....					.50
25 lb jars .....			.73	:	.80	Sulfate, 100 oz. tins.....cs					
Chinoidin, 170 lb cases.....D			.65	:	.75						
Chloramine-T, 5 lb bot.....D			1.25	:	2.50						
Chlorosane, 5 lb bot.....D			.55	:	.75						
Chlorhydrin, Ethylene anhyd, 600 lb				:							
drs. ....			.75	:	.85						
40% soln. 100 lb clys.....D			.25	:	.30						
<b>CHLORINE</b> , Liquid 2000 lb cyl.				:							
c/l wks. ....			.05 1/2	:	.05 1/2						
Tank car lots wks.....D			.05 1/2	:	.05 1/2						
100 lb cyl. c/l.....D				:	.06						
100 lb cyl. lc/l wks.....D			.06 1/2	:	.07						
100 lb cyl. lc/l, ex-warehouse..D				:	.09						
Chlorobenzene, mono. 1000 lb drs.			.11	:	.12						
Drs. c/l wks. ....			.10	:	.11						
Tank car lots wks.....D				:	.09						

## COAL TAR PRODUCTS

Cresylic  
Acid

**JAYNE & SIDEBOTTOM**  
INCORPORATED  
17 BATTERY PLACE NEW YORK CITY  
Selling Agents For  
**COOPERS CREEK CHEMICAL COMPANY**  
WEST CONSHOHOCKEN, PA.

EFFICIENCY AND  
ECONOMY BLENDED

Waste is the bugbear of every manufacturing plant.

The elimination of waste is sometimes the difference between profit and loss.

In most processes the use of Chloride of Lime means waste in the form of deterioration of the chemical, or sludge losses which run as high as 25 per cent.

Where LIQUID CHLORINE has replaced Chloride of Lime the loss from deterioration is entirely eliminated, and when made into hypochlorite or leach liquor, the sludge losses are insignificant.

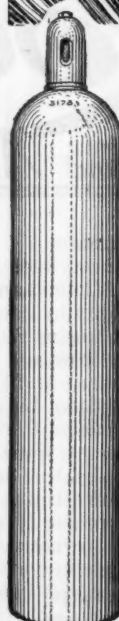
LIQUID CHLORINE IS THE 100 PER CENT CHEMICAL!

The least you can do is to know the truth and learn the remedy. We are in a position to tell you both.

**Electro Bleaching Gas Co.**  
PIONEER MANUFACTURERS OF LIQUID CHLORINE

Plant: NIAGARA FALLS, N.Y.

Main office 35 East 41st Street New York. Chicago office 105 W. Monroe St.



Liquid Chlorine

## Chemicals

Cinchonidin alk., pvd. 100 oz. tins...	.70	COPPER, metal electrolytic c/l		Diethyl Sulfate tech. 50 gal. drs. lb.	.20	.25
Crystal	.43	NY		CP drums	.40	.50
Sulfate, 100 oz. tins.	.25	Lake, c/l NY	12.75 : 12.87	Digitalin, Pure, 1 oz. vial.	10.00	10.25
Citrine Ointment, see Mercury		Casting c/l NY	12.50 : 12.62	Dimethylaniline, 840 lb. drs. wks. lb.	.40	.41
Coal Tar, Tks. & bbls., wks. gal.	.08 : .08	Carbonate, 400 lb. bbls.	.17 : .17 1/2	Dimethylsulfate, 100 lb. drs.	.50	.50
Cobalt metal, 100 lb. kegs.	2.75 : 2.85	Chloride, 250 lb. bbl.	.28	Dinitrobenzene, 400 lb. bbls.	.19	.20
Cobalt Oxide, 500 lb. bbls.	2.10	Cyanide, 100 lb. drs.	.58 : .60	Dinitrochlorobenzene, 400 lb. bbls.	.19	.20
10 lb. tins, 200 lb. cases.	2.35	Iodide, 5 lb. bot.	.565	Dinitronaphthalene, 350 lb. bbls.	.32	.34
COCAINE alk., USP, 1 oz. vial.	10.00	Oxide, red 1000 lb. bbls. ton lots lb.	.17 : .18	Dinitrophenol, 350 lb. bbls.	.40	.40
Hydrochloride, USP—1 oz. vials.		Sub-Acetate, verd. 440 lb. bbls. lb.	.23 : .28	Dinitrotoluene, 300 lb. bbls.	.19	.20
25 ozs.	7.07	SULFATE, crys. 450 lb. bbls. lb.		Dionin, see Morphine, Ethyl		
In 1/2 oz. vials.	7.50	spot	5.00 : 5.10	Diphenylamine, 250 lb. bbls.	.48	.50
In crystals, granular, powder, or flaky crystals as desired.		Carlots, bbls. f.o.b. NY. 100 lb.	4.90 : 5.00	Diphenylguanidine, 170 lb. bbls.	1.15	1.20
Cocoa Butter, bulk, 200 lb. bales. lb.	.26 : .26 1/2	Carlots, bbls. delivered. 100 lb.	5.10 : 5.20	Dover's Powder, USP 5 lb. tins.	2.20	2.30
Fingers, cakes, etc. 12 lb. bxs. lb.	.34 : .35	Imp. 550 lb. cks.	4.50 : 5.00	Duboisine Sulfate, 1 oz. vial.	.55.00	.55.00
CODEIN alk., 1 oz. vial. 10 oz. lots	8.62	Powdered, 350 lb. 5 bbls.	5.75 : 6.00	EARTH, Diatomaceous, see Kieselguhr		
Hydrobromide, 1 oz. vial, 10 oz. lots	6.92	Copperas, bulk c/l wks.	20.00 : 21.00	Emetine, alk., 15 gr. vials.	1.65	1.65
Hydrochloride, 1 oz. vial, 10 oz. lots	7.77	400 lb. bbls. c/l wks.	25.00 : 25.00	Hydchlide, USP 1 oz. vial.	18.00	19.00
Nitrate, 1 oz. vial, 10 oz. lots.	7.77	200 lb. bgs. c/l wks.	23.00 : 23.00	15 gr. vials.	.82	.82
Phosphate, 1 oz. vial, 10 oz. lots	6.47	Powdered, bbls.	1.90 : 2.00	EPSOM SALT, tech. 300 lb. bbls.		
Salicylate, 1 oz. vial, 10 oz. lots	6.47	Sugar, 400 lb. bbls.	1.50 : 1.75	NY		
Sulfate, 1 oz. vial, 10 oz. lots.	6.92	Corn Syrup, 42 deg. 50 gal. bbls.	3.96 : 4.01	Bbls. c/l NY	2.15	2.00
Small Sizes, 1/2 oz. vials, 50c extra, 1/4 oz. 25c extra, singles 7c extra per oz.—25 oz. lots, 10c oz. cheaper than above. Less than 10 ozs. 15c oz. higher than above.		Corrosive Sublimate, see Mercury Bichloride		100 lb. bgs. c/l NY	1.80	1.80
COD LIVER OIL, Norwegian, 30 gal. bbls.	25.00 : 25.50	Cotton Soluble, 100 lb. bbls. wet. lb.	.40 : .42	Imp., 220 lb. bgs. c/l		
Newfoundland, 30 gal. bbls. bbl.	30.00	Coumarin, 25 lb. tins.	4.50 : 4.65	NY	1.00	1.10
Salicylate, 1 oz. vial.	45.00	Second Hands	4.35	USP, 300 lb. bbls, 10 bbls. 100 lb.	2.50	2.50
Collodion USP 30 lb. drums.	.22	CREAM TARTAR, USP, 300 lb. bbls.	.25 1/2 : .25 1/2	Carlots, bbls.	2.15	2.15
Ethyl Benzyl Aniline, 300 lb. drs. lb.	1.30	Imp. powd. USP, 224 bbls.	.23 1/2 : .24 1/2	Imported, 400 lb. bbls.	1.75	2.00
		Creosote, USP, 42 lb. chys.	.40 : .42	100 lb. kegs.	1.85	2.10
		Carbonate, 1 lb. bot. 25 lb.	1.80 : 2.00	Ergotin, Bonjean, 1 lb. jars.	6.00	6.35
		Creosote Oil, 50 gal. drs.	.20 : .22	Eserine alk., 1 oz. vial.	30.00	30.00
		Cresol, USP 400 lb. bbls.	.25 : .30	Salicylate, USP 1 oz. vial.	22.00	22.00
		Cyanamide, bulk c/l wks, Amm. unit	2.25	Sulfate, USP VIII, 1 oz. vial.	17.00	17.00
		DIAMINOPHENOL, 100 lb. kegs.	3.80	ETHER, USP 55 lb. drums.	.13	.13
		Dianisidine, 100 lb. kegs.	4.60	Anaesthesia, 55 lb. drums.	.16	.16
		Dichlorobenzene, 1000 lb. drs.	.06 : .07	USP, 1880 55 lb. drums.	.38	.38
		Diethylaniline, 850 lb. drs.	.60 : .65	Washed, 55 lb. drums.	.30	.30
		Diethyl Phthalate, 25 lb. cans.	.55 : .65	Motor, 1 lb. cans.	.24	.27
		1000 lb. drs.	.45 : .50	Ether, Nitrous, 1 lb. bot.	.92	.95
				Ethyl Benzyl Aniline, 300 lb. drs. lb.	1.30	1.30

# "Baker's"

## Eliminating the "Variable"

Certain factors in industrial processes are difficult of control. That industry appreciates the importance of stabilizing these variable factors is demonstrated by the increasing use of Baker's Industrial Chemicals—chemicals whose dependability are a steadying influence in many of the largest plants in the country.

If you are a user of chemicals in large quantities you should know more about the advantages of Baker's Dependable Chemicals.

**J. T. BAKER CHEMICAL CO.**  
Phillipsburg, N. J.

New York Representative, H. B. PRIOR

17 East 42nd Street

Phone: Vanderbilt 9490

## Chemicals Constantly Used in Industry

Acid Molybdic  
Acid Phosphoric, anhydride  
Ammonium Molybdate, cryst.  
Ammonium Persulfate, 98%  
Calcium Chloride, anhydrous, granular  
Copper Chloride, cupric\*  
Nickel Formate  
Potassium Binoxalate  
Potassium Thiocyanate  
Sodium Oxalate  
Tin Crystals

\* Copper Chloride, cupric is an unusually high quality product for technical use; very free from cuprous and makes a clear solution. Test it out in every way.

## Baker's Monthly Information is Valuable

Send us your name on your firm's stationery—then you will receive regularly the Monthly Price List of Industrial Chemicals. Your chemist should also know about "Baker's Analyzed" C-P Reagents and Acids.

# Dependable CHEMICALS

## Chemicals

Acetyl Acetate, 99%, 50 gal. drs. gal	1.05	1.15	Gelatin, USP silver bbl. 100 lb. ca. lb.	.85	.90	Hydrastinine Hydrochloride, USP 15 gr. vials	2.40
85-90% Ester, 50 gal. drs. gal	..	.95	Gold Label, 100 lb. cases	..	..	Hydrasobenzene, 100 lb. kegs	1.35
Carlots, drums	..	.92	Technical, 100 lb. ca. lb.	.60	.65	HYDROGEN PEROXIDE, 25 vol. 400 lb. bbls.	..
Tank Cars	..	.90	GLAUBER'S SALT, tech. 200 lb. bags	1.15	1.25	USP Soln., 375 lb. bbls.	.05
Pure, 5 lb. bot.	..	3.50	lc/l wks.	1.15	1.25	USP bot., 4 oz. cases	8.00
Bromide 115 lb. drs.	..	.40	350 lb. bbls. c/l wks.	1.30	1.35	Bot., 8 oz. cases	11.75
Chloride, 15 lb. cyl.	..	.35	Bbls. lc/l wks.	1.50	2.00	Bot., 16 oz. cases	19.75
Methyl Ketone, 50 gal. drums	.25	.25%	Imported, bbls. spot.	.85	.90	Hydroquinone, 100 lb. kegs	1.40
Morphine, see Morphine, Ethyl	..	..	USP, 300 lb. bbls. imp. sp. 100 lb.	..	1.25	Hyocine Hydrobrom. USP 1 oz. vial	21.00
Ethylene Bromide, 600 lb. drs.	..	.60	USP, 300 lb. bbls. dom. sp. 100 lb.	..	1.75	Five oz., 1 oz. vials	20.50
Glycerol	.65	1.00	USP, 300 lb. bbls. c/l wks. 100 lb.	..	1.40	Hyoscamine Alk. Cryst., 1 oz. vial	35.00
Chlorhydrate, anhyd. 50 gal. drs.	.75	.85	Glucose, (Grape Sugar) dry, 100 70° bags, c/l NY	3.36	3.71	Alkaloid, Amorphous, 1 oz. vial	75.00
40% Solution, 50 gal. bbls.	.25	.30	Syrup, Drs. & bbls, c/l NY	..	3.66	Hydrobromide, USP 1 oz. vial	60.00
Dichloride, 50 gal. drs.	.20	.25	lc/l NY	..	3.95	Sulfate, 1 oz. vial	35.00
Eucalyptol, 25 lb. cases	.75	.80	GLUE, pure white, bbls.	.25	.30	INDOL, C. P. 1 oz. bot.	6.00
Feldspar, bulk	20.00	25.00	Medium white, bbls.	.18	.25	Iodide, see Potass. Iodide, etc.	..
FERRIC CHLORIDE, tech. crys.	..	..	French, bbls.	.35	.40	IODINE, crude, 200 lb. kegs	4.05
475 lb. bbls.	..	.08	High Grade, bbls.	.10	.12	Resublimed, 10 lb. jars	4.55
Imported	..	.09	Hone, regular, bbls.	1.50	1.75	Tricture, USP, 50 gal. bbls.	4.40
USP, crys. 100 lb. kegs	..	.08	Flash, bbls.	.17	.17%	Carboys	4.55
Imported	..	.08	GLYCERIN, C. P. 550 lb. drums	.18	.18%	Iodoform, powd. 10 lb. bot.	6.00
Neut. Sol'n 40° 140 lb. chys.	..	.06%	Cans, 50 lb.	.16%	.16%	Crystals, 10 lb. bot.	7.00
48°, 140 chys.	..	.08	Dynamite, 100 lb. drs.	.12%	.13	Iridium, metal 100s lots	250.00
USP Sol'n 125 lb. chys.	..	.06%	Saponification, tanks	.10%	.11	Iron, metal by hydrogen 1 lb. bot.	.65
Ferrous Chloride, crys. tech.	.06	.06%	Soap, Lye tanks	15.00	35.00	IRON & AMM. CITRATE, USP 25 lb. cans	..
475 lb. bbls.	2.50	3.00	Gon Powder, see chrysarobin	.05	.09	Green scales, 25 lb. cans	..
Ferrous Sulfide, 1000 lb. bbls. 100 lb.	..	..	Graphite, crude 220 lb. bags	..	.05	Cacodylate, 10 lb. bot.	6.50
Flake White, see lead, white	..	..	Flake, 500 lb. bbls.	..	.04	Citrate, USP VIII 25 lb. cans	..
Fluorpar, 95% 220 lb. bgs. ex dock	..	25.00	Ground, lump, bbls.	2.35	2.50	Chloride, see ferric or ferrous	..
96% bgs.	..	33.50	Guaiacol liquid, USP, 25 lb. cans	..	18.00	Hypophosphite, 5 lb. cans	1.50
98% bgs.	..	35.00	Benzoate, 1 lb. bot.	5.00	5.25	Syrup, USP VIII	..
FORMALDEHYDE, USP 400 lb. bbls. c/l wks.	..	.12	Carbonate, 5 lb. boxes	..	3.50	Iodide, 1 lb. bot.	4.20
Carboys, 100 lb. lc/l wks.	..	.13%	HAARLEM OIL, Dom. 6 gr. c/s gross	5.20	5.25	Syrup, USP 5 lb. bot.	.35
Bbls., 400 lb. lc/l wks.	..	.12%	Imported, 5 gr. cases	2.75	3.25	Nitrate, kegs	.09
Second Hands	..	.12	Halazone, 5 lb. bot.	..	.75	Com'l, bbls.	2.75
Fuller's Earth, 200 lb. bgs. c/l mines	15.00	17.00	Hexamethylenetetramine, USP 100 lb. drums	.75	.77%	Oxalate scales 25 lb. cans	.85
Imported, 230 lb. bags NY	35.00	40.00	Imported	.70	.75	& Ammon. Oxalate 25 lb. bxs.	.47
Fusel Oil, refined, 100 gal. drum	..	..	Rubber Makers, Impalp. Pd. drs.	.82%	.85	& Potassium Oxalate, 25 lb. bxs.	.45
Crude, 100 gal. drum	..	..	Homatropine Hydrobrom. USP 1 oz. vial	..	14.00	& Sodium Oxalate, 25 lb. bxs.	.41
G SALT, paste 350 lb. bbls. basis 100%	.60	.65	Five oz., 1 oz. vials	..	15.00	Phosphate, USP 25 lb. cans	.89
			Hydrastine Alk. USP, 1 oz. vial	..	20.00	Pyrophosphate, USP 25 lb. cans	.96
			Hydchloride, USP, 1 oz. vial	..	20.00		
			Sulfate, 1 oz. vial	..	22.00		

The  
**Norvell Chemical Corporation**

WE are headquarters, and offer in highest purity, strength and efficiency the following products:

Acid Benzoic      Formaldehyde  
Sodium Benzoate      Silver Salts  
Benzyl Chloride      Creosote  
Mercurials      Creosote Carbonate  
Glycerophosphates  
Hexamethylenamine

For prices and particulars apply to  
New York Office      99 John Street  
Chicago Office, 180 No. Market Street

Sole Selling Agents  
**BUBECK & DOLDER**  
Basle, Switzerland

Antipyrine  
Amidopyrine (Pyramidon)  
Arecoline Hydrochloride  
Diethylbarbituric Acid  
Pilocarpine Hydrochloride  
Yohimbine Hydrochloride

**VIETOR & HOSKEN**  
160 PEARL STREET  
NEW YORK

Inquiries Solicited  
STOCKS CARRIED IN NEW YORK  
Hanover 3224-5

## Chemicals

JALAP RESIN, lump 5 lb tins..lb	3.25	: 3.35	Linalool, 5 lb bot.....lb	5.50	: 6.50	Manganese—(continued)		
Powd. tins .....	3.40	: 3.50	Litharge, see lead oxide			Glycerophosphate, 5 lb tins....lb	2.85	
KIESELGUHR, 90 lb bags NY.....ton	60.00	: 70.00	Lithium Carb. USP, 100 lb kgs..lb	1.50	: 1.60	Hypoosol. USP VIII 5 lb cans..lb	1.63	
LANOLIN, see Adeps Lanae			Bromide, 100 lb cs.....lb	1.75	: 1.85	Iodide, 1 lb bot.....lb	6.40	
LEAD, metal c/l NY.....100 lb	6.85	: 6.90	Citrate, USP 100 lb kgs.....lb	1.70	: 1.75	Ore, bulk NY.....unit	.40	: .45
Acetate, white crystals 500 lb			Iodide, 5 lb bot.....lb		: 5.40	Sulfate, 600 lb casks NY.....lb	.10	: .11
bbls. wks. ....		: .14	Lithopone, 400 lb bbls. 1c/l wks..lb	.07½	: .08	Marble Flour, bulk.....ton	10.00	: 12.00
100 to 250 lb kgs. wks..lb		: .14½	Bbls. c/l wks.....lb		: .07	See also Calcium Carbonate		
White, broken, bbls. wks.100 lb		: 13.40	Imported, 400 lb bbls.....lb	.06½	: .07½	MENTHOL, USP, 60 lb cases....lb	15.00	
White, gran., bbls., wks.100 lb		: 13.65	Litmus Cubes .....	.90	: 1.00	Less cases, 5 lb tins.....lb	15.50	
White, powd., bbls. wks.....lb		: .14½	MAGNESITE, crude .....		: 15.00	MERCURY, metal 75 lb flask..flask	60.50	: 61.00
Kegs, wks. ....		: .15½	Calcined, 500 lb bbls.....ton		: 55.00	Less Flasks, 5 lb jugs.....lb	1.02	: 1.04
Brown, broken, bbls. wks....lb		: .12½	Magnesium mtll. sticks 100 lb cs..lb	1.25	: 1.30	Bichloride, cryst. 25 lb bxs....lb		: 1.17
USP, 100 lb kegs.....lb		: .17	Carb. tech. 70 lb bags NY...lb	.08	: .08½	Gran. powd., 200 lb kegs....lb		: 1.02
Arsenate, 100 lb bbls. 1c/l wks..lb	.20	: .25	75 lb bbls. NY.....lb	.08½	: .09	Bisulfate, 25 lb boxes.....lb		: .86
Bbls. c/l wks.....lb	.19½	: .20	USP, 60 lb bbls.....lb	.10	: .11	Blue Mass, 25 lb boxes.....lb		: .62
Paste, 600 lb bbls.....lb	.12	: .13	USP, blocks 100 lb ca. 1, 2, 4		: .23	Powdered, 25 lb boxes.....lb		: .64
Iodide, USP VIII 5 lb bot.....lb	3.20	: 3.40	oss. ....	.19	: .23	Blue Ointment, USP 25 lb cans		: .77
Nitrate, 500 lb bbls. wks.....lb		: .22	Chloride, fused 575 lb drs. c/l		: 34.00	50% .....		: .57
Oxide, lithge, 500 lb bbls..100 lb	10.90	: 11.15	wks. ....		: 36.00	USP, dilute 25 lb cans 30%..lb		: .67
100 lb kegs. wks.....lb		: .14½	Flaked, 350 lb drs. wks c/l ton		: 26.00	33 1/3% Mercury.....lb		: 1.25
Oxide, red 500 lb bbls. wks....lb	11.40	: 11.65	Imp., fused 900 lb bbls NY..ton	26.00	: 28.00	Calomel, 50 lb bxs.....lb		: .50
100 lb kegs wks.....lb		: .14½	Fluossilicate, crystals 400 lb bbls.		: .15	Citrine Ointment 25 lb jars..lb		: 4.00
Peroxide, 100 lb drs.....lb		: .26	wks. ....		: .07	Iodide, green 25 lb jars.....lb		: 4.10
White, basic carb. 500 lb bbls.		: .09½	30% soln. 500 lb bbls. wks..lb	.07	: .07½	Red, USP 25 lb jars.....lb		: 4.00
Bbls. c/l wks.....100 lb		: .09½	Soln. bbls. c/l wks.....lb		: .06	Yellow, USP VIII 25 lb jars..lb		: 1.38
100 lb kegs wks.....lb		: .14½	Glycerophosphate, 5 lb tins....lb		: 3.15	White Precip. USP 25 lb bxs....lb		: 1.48
White, sulfate 500 lb bbls. wks..lb		: .09½	Hypophosphite, 5 lb cans.....lb		: 1.15	Powder, USP 25 lb bxs.....lb		: 1.49
Bbls. c/l wks.....100 lb		: 9.25	Oxide, USP light 100 lb bbls..lb		: .42	White Precip. USP 25 lb bxs....lb		: 1.54
Licorice Ext. Mass, cases.....lb	.25	: .26	USP, heavy 250 lb bbls.....lb		: .50	Powder, USP 25 lb bxs.....lb		: .62
Compound powder, bbls.....lb	.11	: .13	Peroxide, 5 lb cans.....lb		: 2.15	With chalk, USP 25 lb bxs....lb		: .78
Powdered .....	.38	: .40	Perborate, 1 lb tins.....lb		: 2.25	Meta-Nitroaniline, 300 lb bbls..lb	.78	: .80
Sticks, 1 oz. 100 lb cases.....lb	.45	: .50	Salicylate, 100 lb kegs.....lb		: .75	Meta-Nitro-para-Toluidine, 300 lb		: 2.20
LIME (Salts, see Calcium Salts)			Sulfate, see Epsom Salts			bbls. ....		: .96
Live, 325 lb bbls. ton lots, wks..lb		: .01½	Manganese Chloride, 600 lb csk.			bbls. ....	.96	: .98
Single bbl. wks. ....		: .01½	NY .....	.09½	: .10	Meta-Toluylenediamine, 300 lb		: .80
Hydrated, 167 lb bbl. ton lots,			Borate, 30%. 200 lb bbls.....lb		: .24	bbls. ....	.80	: .90
wks. ....		: .01½	100 lb kegs .....		: .25			
Single bbl. wks. ....		: .01½	Dioxide, 80-84% 900 lb bbls.					
Oyster Shell, 150 lb bbl. single..lb		: .03½	NY .....	80.00	: 85.00			
125 lb bag .....		: .03½	85-90%, 900 lb bbls. NY..ton	85.00	: 90.00			
Sulfur, dry 200 lb drs. NY.....lb	.08	: .10	Hydrated, precip. 100 lb kgs..lb	.32	: .35			
Drs. c/l NY.....lb		: .10½						
32° Soln. 50 gal. bbls. NY.gal	.15	: .16						

MECCO ALPRO CENOCO MECCO ALPRO CENOCO

# ACETATES

AMYL BUTYL ETHYL

The Miner Edgar Company  
Rail and Water Facilities  
110 William Street  
New York

MECCO ALPRO CENOCO MECCO ALPRO CENOCO

## Chemicals

<b>METHANOL</b> (Wood Alcohol)			<b>NAPHTHALENE, Flake, 175 lb. bbls.</b>			<b>PALLADIUM, metal 10 oz. lots..cs</b>		
95%, 50 gal. drms. ext....gal	.88	: .90	Wks. ....	.07		Pancreatin, USP 5 lb bot.....D	1.25	: 1.40
97%, 50 gal. drms. ext....gal	.90	: .92	Bbls. c/l wks. ....	.06 1/2	: .07	Papain, 10 lb bot. USP, Powd....D	2.15	: 2.25
Pure, 50 gal. drms. ext....gal	...	: 1.00	Bbls., second hands NY.....D	.07	: .07 1/2	Crude, 150 lb cases.....D	1.85	: 1.90
Acetone free, 50 gal. drms. ext.gal	...	: 1.05	Balls, 250 lb bbls. wks.....D	...	: .08	Paraffin, ref'd 200 lb cs. slabs		
Bbls. incl. 5c higher			Bbls. c/l wks. ....	.07 1/2	: .08	120-125 Deg. M. P.....D	.03 1/2	: .03 1/2
Methyl Acetone, 100 gal. drums.gal	1.17	: 1.20	Bbls., second hands NY.....D	...	: .08	125-130 Deg. M. P.....D	.04	: .04 1/2
Tank cars .....	1.15		Crushed, chipped, bgs., wks...D	.05 1/2	: .06	130-135 Deg. M. P.....D	.04	: .04 1/2
Chloride, 90 lb cyl.....D	...	: .50	Crude, imp., bgs.....D	.02	: .03	135-140 Deg. M. P.....D	.05	: .06 1/2
Sulleylate, USP, 50 lb cases...D	...	: .47	Nickel Metal, electrolytic 100 lb			Para-Aminocetanilid, 100 lb		
500 lb drums .....	.45	: .45	kegs .....	.30		kegs .....	1.05	: 1.15
Second Hands, cases.....D	.45	: .45	Ingot, 100 lb kegs.....D	.29	: .32	Para-Aminophenol, 100 lb kegs..D	1.25	: 1.30
Methylene Blue, tech. 100 lb kgs.D	1.00	: 1.50	Salt, single 400 lb bbls. NY..D	.11	: .12	Hydrochloride, 100 lb kegs.....D	1.40	: 1.50
USP, medicinal 5 lb cans....D	2.25	: 2.40	Double, 400 lb bbls. NY....D	.10	: .11	Para-Dichlorobenzene, 50-300 lb bbls.		
Michler's Ketone, 225 lb bbls..D	...	: 3.75	Oxide, 100 lb kegs NY.....D	.40	: .42	Wks. ....	.17	: .20
Milk, powd. 150 lb bbls.....D	.14	: .15	Sulfate, 450 lb bbls.....D	.07	: .07 1/2	25-50 lb kegs .....	.18	: .22
Milk Sugar, see sugar of milk			Nitre Cake, bulk wks.....ton	5.50	: 6.00	Paraldehyde, 100 gal drs.....D	...	: .35
Mineral Oil, see oil mineral			500 lb bbls. ....	13.00	: 14.00	Paraformaldehyde, USP 100 lb cs.D	.52 1/2	: .55
Monochlorobenzene, see chlorobenzene			Nitrobenzene, crude, 1000 lb drs.			Para-Nitrocetanilid, 300 lb		
Monochloroaniline, 900 lb drs...D	...	: 1.00	Wks. ....	.09	: .09 1/2	bbls. ....	.55	: .60
Monomethyl paraamidophenol sulfate			Redistilled, 1000 lb drs. wks.D	.09 1/2	: .10 1/2	PARA-NITROANILINE, 300 lb bbls.		
100 lb drs. ....	4.00		Nitronaphthalene, 550 lb bbls..D	.20	: .21	Wks. ton .....	.69	: .74
MORPHINE Sulfate, USP 5 oz. tins			Nitrotoluene, mixed 1000 lb drs.			Para-Nitrochlorobenzene, 1200 lb drs.		
10 oz. ....	6.35		Wks. ....	.14	: .15	Wks. ....	.21	: .30
Acetate, 5 oz. tins 10 oz. lots..D	...	: 6.35	Oil Fusel, see Fusel Oil			Para-Nitro-ortho-Toluidine, 300 lb		
Hydrobromide, 5 oz. tins 10 oz. lots	...	: 6.35	OIL MINERAL, wh. 50 gal bbls.gal	1.00	: 1.25	bbls. ....	2.75	: 2.85
Hydride, 5 oz. tins 10 oz. lots	...	: 6.35	Oil Mirbane, see nitrobenzene			Para-Nitrophenol, 185 lb bbls....D	.75	: .80
Diacetyl Alk., 1/4 oz. vials. 10 oz.	...	: 8.35	Optum, see crude drugs			Para-Nitrosodimethylaniline, 120 lb		
Hydride, 1/4 oz. vials. 10 oz. lots	...	: 10.20	Orange Mineral, 800 lb casks NY.D	.15 1/2	: .16	bbls. ....	1.25	: 1.30
Ethyl Hydride, 1/4 oz. vials. 10 oz. lots	...	: 10.45	500 lb bbls. NY.....D	.15 1/2	: .16 1/2	Para-Nitrotoluene, 350 lb bbls..D	.55	: .60
Small Sizes: 1/4 oz. vials. 50c extra;			Ortho-Aminophenol, 50 lb kegs..D	2.50	: 2.75	Para-Nitro-ortho-Toluidine, 100 lb		
1/4 25c extra; single oz. vials. 7c extra,			Ortho-Anisidine, 100 lb drs....D	...	: ...	kegs .....	1.50	: 1.60
over price for 5 oz. tins. 25c extra,			Ortho-Dichlorobenzene, 1000 lb drs.	.06	: .08	Para-Phenetidin, 500 lb drs....D	1.55	: 1.80
lots in 5 oz. tins. 10c extra, lower than			Wks. ....	...	: ...	Para-Phenylenediamine, 350 lb		
above schedule. Less than 10 oz. lots			Ortho-Nitrochlorobenzene, 1200 lb	.18	: .20	bbls. ....	1.40	: 1.50
15c extra higher than above schedule.			drs. wks. ....	...	: 1.15	Para-Toluene-Sulfonamide, 175 lb		
Musk Ambrette, 1 lb cans.....D	12.50	: 13.00	Ortho-Nitrophenol, 350 lb 3 bbls.D	.10	: .11	bbls. ....	.40	: .41
NAPHTHA, Solvent, 110 gal. drs.			Ortho-Nitrotoluene, 1000 lb drs.	.16	: .19	Para-Toluene-Sulfonchloride, 410 lb		
Wks. ....	.28	: .30	Wks. ....	.10	: .11	bbls. wks. ....	.25	: .30
5000 gal. tank cars wks.....gal	.24	: .25	Ortho-Toluidine, 350 lb bbls....D	...	: 3.00	Para-Toluidine, 350 lb bbls. wks.D	.85	: .90
			Oxgall, USP 5 lb bot.....D	...	: 3.00			

Largest producers of Pure Phthalic Anhydride in the world



SELDEN

99.99+ % Pure.

Brand PHTHALIC ANHYDRIDE

is the Product by which all other  
Brands may be Standardized.

IT-IS-PURE

Unless Phthalic Anhydride melted in a TEST TUBE, has the same colorless appearance as SELDEN BRAND, it contains foreign matter which proves it is *not* STANDARD.

It is possible that trouble in commercial or research work can be traced directly to the use of *impure* Phthalic Anhydride.

THE SELDEN COMPANY

Pittsburgh, Pa., U. S. A.

## Chemicals

<b>PARIS GREEN</b>			<b>Piperazine Hydrate, 1 lb bot.... lb</b>			<b>POTASSIUM—(Continued)</b>		
Arsenic Basis, 500 lb kegs.... lb	.28	.30	Pitch, Coal-Tar, wks..... ton	30.00	33.00	Chlorate, crys. 112 lb kgs. c/l		
Kigs, 100 lbs..... lb	.32	.33	Plaster Paris, tech. 250 lb bbls. bbl	3.30	3.30	wks..... lb	.08½	.08½
Kigs, 56, 28, 14 lbs..... lb	.31	.33	True Dental, 300 bbls..... bbl	4.50	4.50	Imp. 112 lb kegs NY..... lb	..	.08
Packages, 5 and 2 lbs..... lb	.32	.33	Platinum, metal soft 10 oz. lots—oz	112.00	112.00	Powd., 112 lb kegs wks..... lb	.08½	.09
Packages, 1 lb, ½, ¼ lb..... lb	.34	.38	Podophyllin, 5 lb bot..... lb	6.00	6.50	Imp. kegs NY..... lb	..	.07½
<b>Paris White, see whitening, French</b>			Second Hands..... lb	5.50	6.00	Pyrotechnic, fine powd. NY..... lb	.08	.09
Pepsin, USP 5 lb bot..... lb	2.25	2.50	<b>POTASH, CAUSTIC, solid 88-92%</b>			USP, fine crys. 110 lb kegs		
<b>PETROLATUM, green 300 lb bbls. lb</b>			700 lb drs. wks..... lb	.07	.07½	NY..... lb	.08	.09
Dark Amber 300 lb bbls..... lb	.08½	.04	Imp., 88-92% 700 lb drs. NY..... lb	.07	.07½	Citrate, USP 10 lb cans..... lb	.63	.66
Light Amber, 300 lb bbls..... lb	.04½	.05	USP, by alcohol 5 lb cans..... lb	.46	.48	Cyanide 110 lb cases..... lb	..	.65
Cream White, USP 300 lb bbls. lb	.07	.07½	cases..... lb	.30	.35	Glycerophosphate, 75% Soln. 25 lb		
Lily White, USP, 300 lb bbls. lb	.09	.09½	<b>POTASSIUM Acetate, USP, 100 lb</b>			tins..... lb	1.60	1.70
Snow White, USP, 300 lb bbls. lb	.12½	.13	kegs..... lb	.30	.31	Guaicol Sulfonate, 5 lb cans,		
<b>Phenol, see also acid carbolle</b>			Bicarbonate, crys. 220 lb bbls. lb	.12	.12½	10 lb..... lb	1.75	2.00
American makers, drums wks..... lb	.26	.28	Bichromate, crys. 900 lb casks			Hypophosphite, 10 lb cans..... lb	..	.85
Open market, 950 lb drs..... lb	.26	.28	wks..... lb	.09½	.09½	Iodide, USP, 100 lb cases..... lb	3.75	3.85
240 lb des drs. wks..... lb	..	.26	Powd., 900 lb casks wks..... lb	..	.12	Second Hands, cases..... lb	..	3.65
Natural 240 lb des drs. wks. lb	..	.26	Binexalate, 300 lb bbls..... lb	.33	.34	Lactophosphate, 4 oz bot..... oz	..	.90
Imported, 336 lb des drs..... lb	..	..	Bisulfate, C.P., 5 lb cans..... lb	..	.30	Metabisulfite, 300 lb bbls..... lb	..	.33
Phenolphthalein, USP 100 lb drs. lb	..	1.50	100 lb kegs..... lb	..	.22	Imp., 300 lb bbls..... lb	.12½	.14
5 lb cans, 100 lb lots..... lb	1.55	1.65	Bromate, 100 lb cs..... lb	..	.45	Muriate, 80%, 200 lb bags, NY		
<b>Phenyl-Alpha-Naphthylamine 100 lb</b>			<b>BROMIDE, USP cryst. 450 lb</b>			K <sub>2</sub> O unit	..	.63
kegs..... lb	..	..	bbls..... lb	..	.26	Nitrate, see Saltpetre		
Phenylethylalcohol, 1 lb bot..... lb	6.75	8.75	Granular, 300 lb bbls..... lb	..	.26	Oxalate, neutral, 100 lb kegs..... lb	.40	.45
Imported..... lb	7.75	9.75	Cases 100 lb..... lb	..	.27	Perchlorate, 112 lb kegs..... lb	.09	.10
Phosgene, 100 lb cylinders..... lb	..	1.00	Imported, USP, 220 lb cs..... lb	.17	.18	<b>PERMANGAN, USP, crys. 500 lb</b>		
Phosphorus oxychloride, 175 lb cyl. lb	.35	.40	<b>CARBONATE, 80-85% calc.</b>			drs., wks..... lb	.17	.17½
Phosphorus, red 110 lb cs. wks..... lb	..	.75	800 lb cks..... lb	.06½	.06½	Imp. 112 lb drs..... lb	.17½	.18
Imported, 112 lb cases..... lb	..	..	80-85%, hydrated, 800 lb			Prussiate, red, 100 lb bbls..... lb	..	.62
Yellow, 110 lb cs. wks..... lb	.35	.40	csks..... lb	.06½	.07	500 lb casks..... lb	..	.60
Imported, 112 lb cases..... lb	..	..	90-95% calc. casks..... lb	.06½	.06½	Prussiate, yellow, 500 lb casks. lb	.29	.32
<b>Phosphorus Trichloride, 175 lb cyl.</b>			96-98% calc. casks..... lb	.06½	.07½	<b>Salicylate, 25 lb cans..... lb</b>		
wks..... lb	..	.45	99% calc. casks..... lb	.08½	.09½	Sulfate, 200 lb bags, NY K <sub>2</sub> O unit	..	.93
Phthalic Anhydride, 100 lb bbls. lb	.25	.30	USP, 100 lb kegs..... lb	.11	.12	USP, VIII, 100 lb kegs..... lb	.15	.18
Pilocarpine Hydrochloride, USP 25 oz			99% CP casks..... lb	.13½	.14	Sulfocyanide, CP 25 lb jars..... lb	..	.50
lots, 1 oz. vials..... oz	..	7.50				Tartrate, neutral, 100 lb kegs. lb	..	.53
Nitrate..... oz	..	7.50				Titanium Oxalate 200 lb bbls. lb	.28	.30
Single ounces..... oz	..	7.75						
Alkaloid, 15 gr. vials..... ea	..	.85						

DU PONT

**Phthalic Anhydride]**

WASTE of valuable storage space as well as [expensive freight and handling costs are unavoidable when using ordinary grades of Phthalic Anhydride, which occur as long, bulky needle crystals.

We have developed a finely divided crystalline type that is especially suitable for making dyes or alcohol denaturants. It is unsurpassed in chemical purity and far superior in physical structure to any other brand.

E. I. DU PONT DE NEMOURS & Co., INC.  
Dyestuffs Department,  
WILMINGTON, DELAWARE  
8 Thomas Street, New York, N. Y.

To remove objectionable color and odor from  
your product

USE

NUCHAR

The Pure Carbon for Pure Products

Its distinctive features are:

Exceptional Purity

Great Capacity for Absorbing Impurities

High Decolorizing Activity

Marked Efficiency for Improving Odor  
and Flavor

Remarkable Filtering Properties

Write us for further particulars

INDUSTRIAL CHEMICAL COMPANY

200 FIFTH AVENUE - - - NEW YORK

## Chemicals

Pumice Stone, lump, 250 lb bbls. lb	.04½	.06
Lump, bags	.03½	.05
Powdered, 350 lb bbls. lb	.02½	.03
Pyridine, 50 gal. drums. gal	4.50	5.00
QUICKSILVER, see Mercury		
Quinidine Alk., 1000s tins. oz	.75	
Sulfate, 1000s tins. oz	.50	
Quinoidine, see Chinoidin		
QUININE SULFATE, USP.		
American, 1000s tins. oz	.50	
low tins, 1000s lots. oz	.57	
Dutch, 1000s tins. oz	.50	
Java, 1000s tins. oz	.50	
Japanese, 1000s tins. oz	.50	
QUININE ALK., USP, 1000s tins. oz		
Acetate	.67	
Arsenate	.88	
Benzoate	.88	
Bisulfate, USP	.50	
Citrate	.62	
Dihydrochloride, USP	.66	
Dihydrobromide	.66	
Dicarbonate, 100s tins. oz	2.50	
Ethyl Carbonate, 160s. tins. oz	.95	
Ferrocyanide	.88	
Formate	.85	
Glycerophosphate	.88	
Hydriodide	.88	
Hydrobromide, USP	.62	
Hydrochloride, USP	.62	
Hydrochlorosulfate	.66	
Hydroxide & Urea, USP. lb	.88	
Hypophosphate	.33	
Lactate	.78	
Phenolsulfonate	.88	
Phosphate	.74	
Salicylate, USP	.63	
Tannate, USP	.45	

## QUININE—(continued)

Tartrate	.88	
Valerate	.80	
Small Sizes: 10s vials or cans, 500s. lots, 5c oz extra; 50s cans, 500s lots 3c oz extra; 250s cans, 500s lots, 2c oz extra; single 10s vials or cans, 5c extra. All minor quinine salts sold and quoted basis 1000s lots in 1000s cans. Sulfate and bisulfate sold basis 1000s lots in 1000s cans. Smaller orders or containers extra as above schedule.		
R SALT, 250 lb bbls. wks. lb	.55	.70
Red Lead, see lead oxide		
Red Precipitate, see mercury		
Resorcin, see resorcinol.		
Resorcinol tech, 100 lb kgs. lb	1.35	1.50
USP, 25 lb cans	2.25	2.35
Rochelle Salt, USP, 225 lb bbls. lb	.21	
Imp. USP, 300 lb bbls. lb	.19½	.20
Rosewater, triple, 5 gal. dems. gal	.90	1.10
Rotten Stone, lump imp., bbls. lb	.07	.08
Lump selected, bbls. lb	.09	.12
Powdered, bbls. lb	.02	.05
Domestic, bags, minns. ton	24.00	30.00
SACCHARIN, USP, 1 lb cans, 25 lb lb		
Soluble, USP, 1 lb cans, 25 lb lb	1.90	2.10
Sal Ammoniac, see Ammon. Chloride		
Salicin, USP, 1 lb cartons, 25 lb lb	5.00	5.25
Salol, USP, 100 lb drums. lb	.80	.85
Salt, Common, see sodium chloride		
Salt Cake, c/l f.o.b. wks. ton	20.00	25.00
SALTPETRE, Double Refined		
Granular, 400-500 lb bbls., c/l wks.	.06½	
Less c/l wks. bbls.	.06½	
Large Crystals, 350-400 lb bbls., c/l wks.	.08	
Small Crystals, 350-400 lb bbls., c/l wks.	.07½	
Powdered, bbls. c/l wks.	.07½	
Imported, 500 lb bbls., NY. lb	.07	

Santonin USP, 1 lb bot. lb	150.00	158.00
Powd. 1 lb bot.		
Saponin, ex Quillaja, 5 lb tins. lb	1.00	1.25
Satin White, 500 lb bbls. lb		.01½
Schaeffer's Salt, 250 lb bbls. wks. lb	.60	.65
Scopolamine, see hyoscine.		
Selditz Mixture, 225 lb bbls. lb	.17	.18
SILICA		
Crude, bulk, mines. ton	10.00	12.00
Refined, floated, bags. ton	18.00	30.00
Air floated, bags. ton	32.00	50.00
Extra, floated, bags. ton	55.00	65.00
SILVER, metal, American. oz		
Foreign		.99½
Colloidal, 160s bot. oz		.63½
Silver Iodide, 160s bot. oz		.68
Nitrate, USP, 2000s bot. oz	.43	.45
Nucleinate, 160s bot. oz	.30	.35
Proteinates, 160s bot. oz	.34	.39
Soap, Castile, 40 lb bxs. lb	.20	.25
Powd. USP, 250 lb bbls. lb	.28	.29
Green, USP, 150 lb kgs. lb	.07	.07½
Soapstone, see Tale, crude		
SODA ASH, 58% light bgs NY flat, ex-warehouse. 100 lb		
Bbls., ex-warehouse. 100 lb		2.25
Contract, Basis 58% bags c/l wks. 100 lb	1.38	1.45
Prompt and spot, Basis 58% bags c/l wks. 100 lb	1.56	1.61
Soda Ash, 58% dense, bags ex-warehouse, NY. 100 lb		
Bbls., ex-warehouse. 100 lb		2.07
Contract, Basis 58% bags c/l wks. 100 lb	1.45	1.51
Pmppt. and spot, Basis 58% bags c/l wks. 100 lb	1.56	1.62
Prices on soda alkalies are based on actual percentages and not N. Y. & L. test.		
SODA, CAUSTIC, 76% solid, resale, NY flat. 100 lb		
76% solid drs. ex-warehouse NY. 100 lb	3.30	3.50
		3.70

## Charles Hardy &amp; Rupert

INCORPORATED

115 Broad Street - New York

Telephone Bowling Green 3770

ALUM (Potash)  
AQUA AMMONIA  
AMMONIUM CARBONATE  
AMMONIUM CHLORIDE  
BARIUM CARBONATE  
BARIUM CHLORIDE  
BARIUM SULPHOCYANIDE  
CALCIUM CHLORIDE  
FORMIC ACID  
GLAUBERS SALT

## SODIUM SULPHIDE

BROKEN 60-62%

(Quality guaranteed)

Immediate shipment from domestic works

R. W. GREEFF &amp; CO., INC.

78 FRONT ST.

NEW YORK, N. Y.



**T**HERE is a feeling of security  
and satisfaction in the reali-  
zation that you are purchasing

## ALKALI

from the largest source of supply.

**Solvay 58% Soda Ash**

Dense—Light—Extra light (Fluf)

**Solvay 76% Caustic Soda**

Solid—Flake—Ground

**Solvay Super Alkali** { 15%  
36%—45%

**Solvay Snow Flake Crystals**

**Solvay Laundry Soda**

**Solvay Cleansing Soda**

**Solvay Tanners Alkali**

**Solvay Tanners Soda**

**Solvay Liquid Caustic Soda**



## The Solvay Process Company

Detroit, Mich.      Syracuse, New York      Hutchinson, Kan.

*Sales Agent - Wing & Evans, Inc. - 40 Rector St., New York*

Boston

Cincinnati

Cleveland

Detroit

Pittsburgh

Chicago

Syracuse

Indianapolis

## Chemicals

## SODA CAUSTIC—(Continued)

Contract basis 76% c/l wks.		
100 lb	3.10	: 3.16½
Pmpt and spot, Basis 76%		
c/l wks. ....100 lb	3.26½	: 3.31
Contract 76% low grade c/l		
wks. flat .....100 lb		: 3.35½
Ground & flake, 76% pmpt and		
pot, wks c/l drs. ....100 lb		: 3.70
Contract, 76% drums, c/l wks		
flat .....100 lb	3.50	: 3.60
76% drs. ex-warehouse NY 100 lb		: 4.15
USP, stick, 10 lb cans. ....10 lb	.19	: .21
Pure, stick, by alcohol. ....10 lb	.25	: .27
SODIUM ACETATE, crys 450 lb bbls		
wks. ....100 lb	.05	: .05½
Ton lots, bbls. wks. ....100 lb		: .05
Imp. 500 lb casks. ....100 lb		: .06½
Aluminum Sulfate, see alum soda.		
Benzonate, USP, 100 lb bags. ....100 lb	.65	: .68
Bicarbonate, 400 lb bbls NY 100 lb		: 2.25
Bbls. c/l wks. ....100 lb		: 2.00
112 lb kegs wks. ....100 lb		: 2.25
112 lb kegs, NY. ....100 lb		: 2.50
Bichromate, 600 lb casks wks. ....100 lb		: .08
Casks, c/l wks. ....100 lb	.07½	: .07½
Casks, NY. ....100 lb	.07½	: .07½
Bisulfite, dry powder, 500 lb		
bbls, wks. ....100 lb		: .04½
Solution, 32-40°, 500 lb bbls.		
wks. ....100 lb	1.25	: 1.75
Bromate, 100 lb cs. ....100 lb		: .95
Bromide, USP, 500 lb bbls. ....100 lb		: .24
Cases, 100 lb. ....100 lb		: .25
Imp. USP, 112 lb cs. ....100 lb	.21	: .22
Cacoylate, USP, 5 lb bot.		
25 lb. ....100 lb	5.50	: 5.75
Carbonate, sal soda, 350 lb bbls		
lc/l NY. ....100 lb	1.30	: 1.35
Wks c/l. ....100 lb	1.10	: 1.30
Monohydrate, 400 lb bbl.		
lc/l. ....100 lb		: 2.45
Pure photographic, 100 lb		
keg. ....100 lb	.08	: .09

## SODIUM—(Continued)

Chlorate, 112 lb kegs, wks. ....100 lb	.06½	: .06½
Imported, 112 lb kegs. ....100 lb		: .06½
Chloride, tech. 200 lb bags. ....100 lb	12.00	: 13.00
C. P. 300 lb bbls. ....100 lb	.05	: .06
Citrate, USP, IX, 100 lb kegs. ....100 lb		: .62
USP, VIII, 100 lb kegs. ....100 lb		: .55
Cyanide, 98-98%, 100 lb cases		
wks. ....100 lb		: .23
Ton lots, wks. ....100 lb		: .23
73-76%, 100 lb cases, wks. ....100 lb		: .20½
125-128%, 200 lb cs. ....100 lb		: .21
120-125%, 200 lb cs. ....100 lb		: .20½
Fluoride, 350 lb bbls, NY imp. ....100 lb	.09	: .09½
Glycerophos. USP, crys 25 lb		
cans. ....100 lb	1.65	: 1.75
Powder, 25 lb tins. ....100 lb	1.70	: 1.80
Solution, USP 25 lb tins. ....100 lb	1.00	: 1.05
Hydroxide, see Soda Caustic		
Hypochlorite, Soln, 100 lb crys. ....100 lb		: .05
14½% soln. 50 lb crys. ....100 lb		: .04
Hydro sulfite, 200 lb bbls, fob, wks. ....100 lb	.19	: .22
Hypophosphite, USP, 25 lb cans		
....100 lb		: .75
HYPOSULFITE, tech. pea crys.		
375 lb bbls. wks. ....100 lb	2.90	: 3.30
Bbls. c/l wks. ....100 lb		: 2.75
100 lb kegs wks. ....100 lb	3.00	: 3.60
Granulated, bbls. wks. ....100 lb	3.15	: 3.55
Bbls. c/l wks. ....100 lb		: 3.00
Kegs wks. ....100 lb	3.25	: 3.85
Regular crystals. ....100 lb	2.65	: 2.90
Iodide, USP, 25 lb tins. ....100 lb		: 4.25
Metanilate, 150 lb bbls. ....100 lb	.55	: .60
Naphthionate, 300 lb bbls. ....100 lb	.60	: .62
Nitrate, crude, 95%, 200 lb bags		
c/l NY. ....100 lb		: 2.45
Nitrites, NY. ....100 lb	2.47½	: 2.50
Double Refined, 400 lb bbls		
gran c/l wks. ....100 lb		: .04½
Nitrite, 500 lb bbls. wks. ....100 lb	.07½	: .07½
Bbls. spot, makers. ....100 lb		: .07½
Imp. 650 lb casks. ....100 lb	.07½	: .07½
Ortho-Chloro-para-Toluene Sulfo-		
mate. 175 lb bbls. wks. ....100 lb	.25	: .27

## SODIUM—(Continued)

Oxalate, neutral, 100 lb kegs. ....100 lb		: .40
Perborate, 275 lb bbls. ....100 lb		: .22
Imp., 225 lb drs. ....100 lb	.18	: .19
Peroxide, 200 lb cases. ....100 lb	.25	: .27
Phosphate, di-sodium, tech 550 lb		
bbls. ....100 lb	.03½	: .03½
USP, gran. 275 bbls. ....100 lb	.07	: .07½
Imp. gran. ....100 lb	.05½	: .06
USP, recryst 275 bbls. ....100 lb	.10	: .11
Mono-sodium 100 lb kegs. ....100 lb	.24	: .26
Tri-sodium tech. c/l, bbls. ....100 lb	.04½	: .05
Picramate, 100 lb kegs. ....100 lb		: .60
Para-Toluene Sulfonate, 175 lb		
bbls. ....100 lb	.08	: .09
PRUSSIAN, yellow, 250 lb bbls. ....100 lb		: .14
Imp. 450 lb cks. ....100 lb	.13½	: .14
Pyrophosphate, 100 lb kegs. ....100 lb	.18	: .22
Salicylate, 100 lb kegs. ....100 lb		: .40
Second Hands, USP, kegs. ....100 lb	.37	: .40
Silicate, 60° 700 lb bbls. f.a.s		
NY. ....100 lb		: 2.00
Works, 1000 lb drums. ....100 lb		: 1.90
Works, tanks. ....100 lb		: 1.75
40° domestic, 700 lb c/l f.o.b.		
wks. ....100 lb		: .80
Works, 1000 lb drums. ....100 lb		: .82½
Works, tanks. ....100 lb		: .75
Spot, drums, bbls. ....100 lb	1.30	: 1.50
Silicofluoride, 450 lb bbls, NY. ....100 lb	.07½	: .07½
Sulphate, see Glauber's Salt.		
Sulfide, 60% solid, 650 lb drs.		
lc/l wks. ....100 lb	.05	: .05½
Drs. c/l wks. ....100 lb	.03½	: .04½
Imp. 700 lb drs. NY. ....100 lb	.03	: .03½
60% broken, 650 lb drs wks. ....100 lb	.05	: .05½
Imp., 500 lb drs. NY. ....100 lb	.03½	: .04
30% crys. 400 lb bbls. wks. ....100 lb	.02	: .02½
Imp., 400 lb bbls. ....100 lb	.02	: .02½
Sulfite, crys. 400 lb bbls. wks. ....100 lb	.03½	: .03½
Desiccated, 400 lb bbls. ....100 lb	.09½	: .10

DIAMOND



BRAND

A  
SUPERIOR  
PRODUCT



OVER  
99%  
PURE

Manufactured and Sold by

DIAMOND ALKALI COMPANY

PITTSBURGH, PENNSYLVANIA



MICHIGAN ALKALI CO.  
Wyandotte, Mich.

SODA ASH  
CAUSTIC SODA  
BICARBONATE OF SODA

*"Distinguished for their High Test  
and Uniform Quality"*

Sole Selling Agents  
EDWARD HILL'S SON & CO.  
21 East 40th Street, New York

## Chemicals

## SODIUM—(Continued)

Sulfocarbonate, USP, 100 lb kegs	.37	: .39
Sulfocyanide, 400 lb bbls.	.45	: .47
Tungstate, crys. 100 lb kegs	...	: .55
Dissicated, kegs	...	: .65
Solvent Naphtha, see Naphtha		
Sparteine Sulfate, USP, 250z bulk. oz	.60	: .70
Single oz. vial	...	: .77
Starch, rice, 140 lb bags	.09	: .10
STROMTIUM Bromide, USP, 100 lb kegs	...	: .33
Carb. 600 lb bbls. wks.	...	: .07
100 lb kegs wks.	...	: .08
Iodide, USP, 25 lb jars	...	: 4.00
Nitrate, 600 lb bbls. wks.	...	: .11½
Imp. bbls. NY	...	: .12
Sallylate, USP, 100 lb kegs	...	: .75
STREYCHNINE Alkaloid, USP, crys. 1000z tins	...	: 1.00
Alk. powd., USP	...	: .90
Acetate	...	: 1.05
Glycerophosphate, USP	...	: 1.05
Hydrobromide	...	: 1.05
Hydrochloride	...	: 1.05
Hypophosphite	...	: 1.15
Nitrate, USP	...	: 1.05
Phosphate	...	: 1.05
Phosphate, USP, crys. powd.	...	: .72
Saccharinate	...	: 2.15
Strychnine preparations quoted bases 1000z lots in 1000z tins. Small Sizes: ¼oz vials, 50c extra; ½oz vials, 25c extra; single ounce vials, 7c extra. Lots of 25 ozs. 5c higher than above schedule. Lots of less than 25 ozs. 10c higher per oz.		
Sugar Milk USP, 200 lb bbls.	.21	: .22
Second Hands, USP, bbls.	.21	: .22
Sulfonal, see Sulfonmethane		
Sulfonethylmethane, USP, 5 lb bxs.	...	: 3.70
Sulfonmethane, USP, 5 lb bxs.	...	: 2.60

SULFUR, crude, bulk, c/l NY	...	: 19.00
Crude, f.o.b. mines	14.00	: 15.00
Brimstone, 250 lb bags, c/l 100 lb	1.75	: 1.95
Low c/l bags NY	1.85	: 2.10
Roll, 500 lb bbls. c/l NY	2.20	: 2.15
Less c/l bags NY	2.20	: 2.45
Flour, Heavy, 290 lb bbls.	2.50	: 3.05
Light, 100%, 260 lb bbls.	2.60	: 3.15
Katmermakers 100%, 240 lb bbls. NY	2.60	: 3.15
Commercial, 99%, 150 lb bgs. NY	1.35	: 1.65
For Dusting, 99%, 100 lb bgs. NY	2.00	: 2.50
Flowers, 100%, 240 lb bbls. NY	3.00	: 3.55
Precipitated, 125 lb bbls NY	.14	: .16
Lac, 125 lb bbls NY	.07	: .10
Sulfur Chloride, red, 700 lb drs. wks.	.06	: .07
150 lb chys. wks.	...	: .08
Yellow, 700 lb drs. wks.	.05	: .06
150 lb chys. wks.	...	: .07
Sulfur Dioxide, 100 lb cyl.	.08	: .08½
Iodide USP, VIII, 5 lb bot.	...	: 4.55
Sulfuric Ether, see Ether		
Sulfuryl Chloride, 600 lb drs.	...	: .70
TALC, Italian, 220 lb bags NY	35.00	: 40.00
Refined white, bags	42.00	: 55.00
French, 220 lb bags NY	25.00	: 30.00
Refined, white, bags	32.00	: 45.00
Dom. crude, 100 lb bags NY	10.00	: 15.00
Refined, 100 lb bags NY	18.00	: 25.00
Tartar Emetic, tech. 700 lb bbls. USP, 300 lb bbls.	.25	: .26
Terpin Hydrate, USP, 100 lb kegs	.60	: .62
Terpineol, CP 1000 lb drums	.54	: .55
Cans, 50 lb	.58	: .60
Imported, cans, 25 lb	.95	: 1.20
Terpenyl Acetate, 25 lb cans	1.65	: 1.85
Terra Alba, No. 1, 300 lb bbls	1.85	: 1.90
No. 2, bbls.	1.25	: 1.35
Theobromine Alk., 5 lb cans	...	: 5.75
and Sod. Sallylate, 1 lb bot.	...	: 3.50

Thiocarbamid, 170 lb bbls.	.28	: .30
Thymol, USP, 25 lb tins	3.10	: 3.25
Iodide, 5 lb boxes	...	: 6.75
TIN, Metal Straths, NY	...	: 41.32
American standard, NY	...	: 40.75
99% American, NY	...	: 40.75
Bichloride, 50% soln. 100 lb bbls. wks.	...	: 12¾
Crystals, 500 lb bbls. wks.	...	: 31½
100 lb kegs, wks.	...	: .82
Oxide, 400 lb bbls. wks.	...	: .47
100 lb kegs wks.	...	: .49
Tetrachloride, 1000 lb drs. wks.	...	: .26
Tollidine, 350 lb bbls.	.95	: 1.00
Sulfate, 350 lb bbls.	...	: 1.00
Toluene, 8000 gal tank car, wks. gal	.25	: .27
110 gal drs. wks.	.30	: .32
Toluidine, Mixed, 900 lb drs. wks.	.31	: .32
Tribromophenol, 100 lb cases	...	: 1.00
Trional, see Sulfonethylmethane		
Triphenyl Phosphate, 450 lb bbls.	.50	: .60
Tripol, 500 lb bbls.	2.50	: 3.00
Tungsten NY	8.25	: 10.00
UREA, pharm. 112 lb cases	...	: .30
VANILLIN, USP, 4000z cans.	.40	: 40½
Cans, 80 ozs.	...	: 40½
Cans, 16 ozs.	...	: 41½
Verdigris, see Copper Subacetate		
Vermilion, Amer. 100 lb kegs	...	: .35
English, kegs	...	: 1.30
Veratrine Sulfate, 10z vial	...	: 2.00
Hydrochloride, 10z vial	...	: 2.00
Veronal, see Acid Diethylbarbituric		
WHITE LEAD, see lead, white.		
White Precipitate, see mercury.		
Whiting, 200 lb bags, c/l wks. ton	14.00	: 16.00
Bags, 1c/l NY	...	: 22.50
Gilders, bags, NY	13.50	: 15.00
French, bags, NY	...	: 18.00
English, bags, NY	...	: 23.00
Witch Hazel Extract, 50 gal. bbls. gal	1.20	: 1.35

# NITRATE POTASH

DOUBLE REFINED CRYSTALS  
GRANULATED OR POWDERED



**BATTELLE & RENWICK**

Estb. 1840

Incp. 1902

80 Maiden Lane, New York, N. Y.

## ANTIPYRINE

(Phenazone U. S. P.)

## AMIDOPYRINE

(Pyramidon)

## DIMETHYL SULPHATE

## RESORCINOL TECHNICAL

## RESORCINOL U. S. P.

Crystal or Powdered

## ETHYL CHLORIDE

in cylinders

For refrigeration and technical purposes.

## HYDROQUINONE

Technical and photographic

## RHODOL

(Metol)

## RHODIA CHEMICAL CO.

89 Fulton Street  
New York

Works: New Brunswick, N. J.

## Chemicals

<b>XYLENE</b> , 3° dist. range, nitration tks. wks. ....gal	...	...	.50
110gal. drs. NY.....gal	.50	:	.55
5° dist. range, 8000gal tanks wks. ....gal	...	...	...
110gal. drs. wks. ....gal	...	...	...
Commercial, 110 gal dra., wks.gal	...	...	.34
Tanks, wks. ....gal	...	...	.29
Xylidine, 900lb drs.....lb	...	...	.50
<b>YARA YARA</b> , 1lb tins.....lb	1.75	:	3.00
Yohimbine Hydrochloride, 1 oz. vial...oz	7.25	:	7.50
<b>ZINC, METAL</b> , high grade, slabs c/l NY.....100lb	...	...	8.50
Common Slabs, c/l NY...100lb	6.70	:	6.75
Mossy, 25lb bxs NY.....lb	...	...	.16
Ammonium Chloride, powd., 400lb bbls. ....lb	.07½	:	.08
Carb. tech. 150lb kegs NY.....lb	...	...	.12
USP, 100lb kegs.....lb	...	...	.30
Chloride, fused, 600lb drs.wks. lb	...	...	.06
Drs. c/l wks.....lb	...	...	.05½
Imp. drs. NY.....lb	.05½	:	.06
Granulated, 500lb bbls.wks. lb	.08	:	.09
Imported, drs. NY.....lb	.06½	:	.07
USP, 25lb jars.....lb	.20	:	.25
Cyanide, 100lb drs.....lb	.42	:	.43
Dust, 100lb tins wks.....lb	.09½	:	.10
500lb bbls, kegs, lc/l wks. lb	...	...	.09½
500lb bbls, kegs, c/l wks. lb	...	...	.09
Iodide, 5lb lots.....lb	5.20	:	.35
Nitrate 25lb jars.....lb	...	...	.08½
Oxide, Amer. 300lb bbls, wks...lb	.08½	:	.09
Bbls. c/l wks.....lb	.08½	:	.08½
French, 300lb bbls wks.....lb	.10½	:	.12½
Bbl c/l wks.....lb	.10	:	.12
Bags, c/l wks.....lb	.09½	:	.10½
USP, 100lb bbls. c/l.....lb	...	...	.16
Ton lots, wks.....lb	...	...	.17
Imported, white seal, bbls.....lb	...	...	.12½
Green seal, bbls.....lb	...	...	.10
USP, 100lb bbls.....lb	.15	:	.17
Stearate, USP, 50lb bbls.....lb	...	...	.22
Sulfate, 400lb bbls, wks.....lb	.03½	:	.03½
Bbls. c/l wks.....lb	...	...	.02½
USP, 100lb kegs.....lb	.08	:	.09
Sulfocarbonate, 100lb kegs...lb	.32	:	.34

## Oils

<b>Castor</b> , No. 1, 400lb bbls.....lb	.13½	:	.14½
80lb cases.....lb	...	...	.14½
No. 3, bbls.....lb	.13	:	.14
Blown, 400lb bbls.....lb	...	...	.15½
China Wood, bbls., spot NY.....lb	...	...	.21½
8000 gal. tks. NY.....lb	...	...	.21
Nov., forward, bbls, China.....lb	...	...	.21½
Coast, tanks, Oct. forward.....lb	...	...	.21
Coconut Ceylon, 375lb bbls, NY. lb	.10	:	.10½
8000 gal. tanks, NY.....lb	.08½	:	.08½
Cochin, 375lb bbls, NY.....lb	.10½	:	.11
Tanks, NY.....lb	.09½	:	.09½
Manilla, tanks, P. Coast.....lb	.08½	:	.08½
Edible, bbls, NY.....lb	.11	:	.11½
Cod Newfoundland, 50 gal. bbls.gal	.70	:	.72
Tanks, NY.....gal	...	...	...
Copra, bags.....lb	...	...	.05½
Corn, ref. 375lb bbls, NY.....lb	...	...	.13½
Crude, tanks mills.....lb	...	...	.09½
Bbls., NY.....lb	...	...	.11
Cottonseed, crude tks, mills.....lb	...	...	.09½
P. S. Y., 100 bbl. lots NY.....lb	...	...	.12½
White, 100 bbl. lots NY.....lb	.13½	:	.14
Winter yellow, 100 bbls, NY.....lb	...	...	.14½
Degras, Amer. 50 gal. bbls., NY. lb	.03½	:	.04
English, bbls, NY.....lb	.04	:	.04½
Neutral, bbls, NY.....lb	.11	:	.14
Greases, choice white, bbls, NY.....lb	...	...	.10½
Yellow.....lb	.06½	:	.06½
Brown.....lb	.06½	:	.06½
House.....lb	.06½	:	.06½
Bone naphtha.....lb	...	...	.06½
Herring, Tanks, Coast.....gal	...	...	...
Horse, 375lb bbls, NY.....lb	...	...	.10
Lard, prime steam bbls.....lb	.14	:	.14½
Compound bbls.....lb	...	...	.13½

<b>LARD OIL</b> , Edible prime, bbls...lb	...	...	.16½
Off prime, bbls.....lb	...	...	.13½
Extra, bbls.....lb	...	...	.12½
Extra No. 1, bbls.....lb	...	...	.11
No. 1 bbls.....lb	...	...	.10½
No. 2 bbls.....lb	...	...	.10½
<b>LINSEED</b> , raw c/l bbls, spot.....gal	...	...	.95
Five bbls., raw.....gal	...	...	.98
Boiled, 5 bbl. lots.....gal	...	...	1.00
Double boiled 5 bbl. lots.....gal	...	...	1.01
Raw, lc/l bbls.....gal	...	...	.95
Tanks.....gal	...	...	.95
Oct., c/l, bbls.....gal	...	...	.95
Nov., c/l, bbls.....gal	...	...	.90
Dec., Feb., c/l, bbls.....gal	...	...	.87
Mar., Apr., c/l, bbls.....gal	...	...	.85
Imported, bbls, NY.....gal	...	...	...
Tanks, NY.....gal	...	...	...
Menhaden, crude, bbls, wks.....gal	...	...	.50
Crude, tanks.....gal	...	...	.52
Light strained, tanks.....gal	...	...	.65
Light strained, bbls, NY.....gal	...	...	.68
Yellow bleached, bbls, NY.....gal	...	...	.71
Extra bleached, bbls, NY.....gal	...	...	.73
Blown, bbls, NY.....gal	...	...	.78
Neatsfoot, 20° c.t. bbls, NY.....lb	...	...	.16½
Extra, bbls., NY.....lb	...	...	.11
Pure, bbls, NY.....lb	...	...	.13½
Oleo Oil, No. 1, bbls, NY.....lb	...	...	.14
No. 2, bbls, NY.....lb	...	...	.10½
No. 3, bbls, NY.....lb	...	...	.09½
<b>OLIVE</b> , denatured bbls, NY.....gal	1.10	:	1.15
Edible, bbls., NY.....gal	1.70	:	2.00
Foots, bbls, NY.....lb	.08½	:	.08½
Shipment.....lb	...	...	.08½
Palm Lags, 150lb cases.....lb	.07½	:	.08
Niger cases.....lb	.07½	:	.07½
Bony old Calabar, cases.....lb	...	...	...
Palm Kernel, 1500lb cases NY.....lb	.09	:	.09½
Peanut, refined bbls, NY.....lb	...	...	.15½
Crude, mills buyers' tks.....lb	...	...	.10½
Crude, bbls, NY.....lb	...	...	...
Perilla, bbls, NY.....lb	.15	:	.15½
Poppyseed, bbls, NY.....gal	2.25	:	2.50

LES USINES

# ALLONDON

LA PLAINE—GENEVA  
SWITZERLAND

## Arecoline

## Pilocarpine

## Yohimbine

J. E. DOCKENDORFF &amp; CO.

Sole Agents and Representatives

20 BROAD ST., NEW YORK

Tel. Rector 4333-4

Cable "Dockendorf"

## Oils and Fertilizers

Rapeseed, refined bbls. NY.....gal	.76	: .77
Blown, bbls. NY.....gal	.93	: .95
Red Oil, distilled, bbls.....lb	...	: .09½
Saponified, bbls.....lb	...	: .09½
Tanks.....lb	...	: .08½
Salmon, 8000 gal. tks. Coast....gal	...	: ...
Sesame, domestic edible bbls.....lb	...	: .12½
Sod Oil, bbls. NY.....gal	...	: .45
SOYA BEAN, crude tks. Coast....lb	.09½	: .09½
Crude, Tks. D.P., NY.....lb	...	: ...
Crude, bbls. NY.....lb	.11	: .11½
Sperm, 38° c. t. blehd. bbls. NY.gal	...	: .99
45° cold test, blehd. bbls. NY.gal	...	: .94
STEARIC ACID, s.p. 200 lb bags. lb	.12½	: .13½
Double pressed, bags.....lb	.13	: .13½
Double pressed, bgs., saponified. lb	.13	: .13½
Triple pressed, bgs., distilled. lb	.14½	: .14½
Triple pressed, bgs., saponified. lb	.14½	: .14½
Stearine, oleo. bbls.....lb	...	: .12½
Lard, bbls.....lb	...	: .14
Tallow, edible, tierces.....lb	...	: .10½
City, extra, loose.....lb	.07½	: .08
Tallow Oil, acidless tks. NY.....lb	...	: .09½
Bbls., c/l NY.....lb	...	: .10½
Walnut, crude bbls. NY.....lb	...	: ...
Whale, nat. winter bbls. NY.....lb	...	: .77
Blehd. winter bbls. NY.....gal	...	: .79
Extra Blehd. bbls. NY.....lb	...	: .81
Crude, No. 1, tanks Coast....lb	...	: ...
Crude, No. 2, tanks Coast....lb	...	: ...
Crude No. 3, tanks Coast....lb	...	: ...

## Fertilizer Materials

Ammon. Sulf., bulk wks....100 lb	3.00	: 3.10
Double, bgs. f.a.s. NY....100 lb	3.40	: 3.45
Single bags, wks....100 lb	...	: 3.15
Blood, dried f.a.b. NY.....unit	...	: 4.00
Bone, 3 & 50 ground steamed. ton	25.00	: 25.00
Raw, Chicago.....ton	...	: 30.00

Cyanamide wks.....unit	2.20	: 2.25
Fish Scrap, dried wks.....unit	4.00	: .10
Acid, Bulk, 7 & 3½. wks. unit	3.00	: .10
NITRATE SODA, NY.....100 lb	...	: 2.45
Phosphate Rock, f.o.b. mines, Florida pebble, 68-75%.....ton	3.25	: 4.50
Tennessee, 72%.....ton	...	: 5.50
Phosphate Acid, 16% Bulk wks. ton	8.00	: 8.50
Potassium Murate, 80%.....unit	...	: .68
Sulfate.....unit	...	: .93
Steamed Bone Meal, NY.....ton	32.00	: 35.00
Tankage, ground, NY.....unit	4.00	: .10
High grade f.a.b. Chicago...unit	3.65	: .10

## Naval Stores

(Carloads ex-yard N. Y.)

Spirits Turpentine, bbls.....gal	...	: 1.00
Wood Turpentine, stm. distd. bbls.gal	...	: .92
Destructive distilled, bbls.....gal	...	: .75
Pine Oil, stm. dist'd, bbls.....gal	...	: .66
Pitch, prime.....bbl	...	: 5.50
Rosins. (Sold in 600 lb bbls, gross for net, quotations based on a unit of 280 lb)		
B.....280 lb	...	: 5.80
D.....280 lb	...	: 5.80
E.....280 lb	...	: 5.80
F.....280 lb	...	: 5.80
G.....280 lb	...	: 5.80
H.....280 lb	...	: 5.80
I.....280 lb	...	: 5.80
K.....280 lb	...	: 5.80
M.....280 lb	...	: 5.85
N.....280 lb	...	: 6.15
WG.....280 lb	...	: 6.75
WW.....280 lb	...	: 7.00

Hosin Oil, first run, 50 gal. bbls.gal	...	: .43
Second run, bbls.....gal	...	: .48
Tar, kiln-burnt.....bbl	...	: 11.00
Neroli.....bbl	...	: 11.00

## Woods

Sawwood, chips.....lb	.04½	: .05
Hamwood, chips.....lb	.09	: .13
Divi Divi, pods 100-200 lb bags. ton	40.00	: 42.00
Elastic, sticks.....ton	30.00	: 35.00
Chips.....lb	.04	: .06
Hemlock, bark.....ton	...	: 20.00
Hyperic, chips.....lb	.06½	: .07
LOGWOOD, sticks.....ton	28.00	: 30.00
Chips 150 lb bags.....lb	.02½	: .03
Mangrove bark, African.....ton	34.00	: 36.00
Bark, South American.....ton	25.00	: 30.00
Myrobalans, 150 lb bags J1.....ton	...	: 33.00
B1.....ton	...	: 35.00
J2.....ton	...	: 27.00
Nuttgalls, see Crude Drugs.		
Oak bark, whole.....ton	30.00	: 23.00
Ground.....ton	...	: 25.00
Quercitron bark, rough.....ton	...	: 10.00
Ground.....ton	20.00	: 25.00
Sumac, Sicily, 100 lb bags.....ton	76.00	: 80.00
Virginia, 150 lb bags.....ton	...	: 35.00
Valonia Caps, 28-35% tan.....ton	36.00	: 38.00
Ward, 40% tan, 150 lb bgs. ton	50.00	: 52.00
Wattle bark, 150 lb bags.....ton	...	: 35.00

## Extracts

Range of prices includes quality range for large quantity.

Anatto, fine.....lb	.26	: .29
Archil, double 600 lb bbls.....lb	.16	: .18
Triple, 600 lb bbls.....lb	.17	: .19
Conc., 600 lb bbls.....lb	.18	: .20

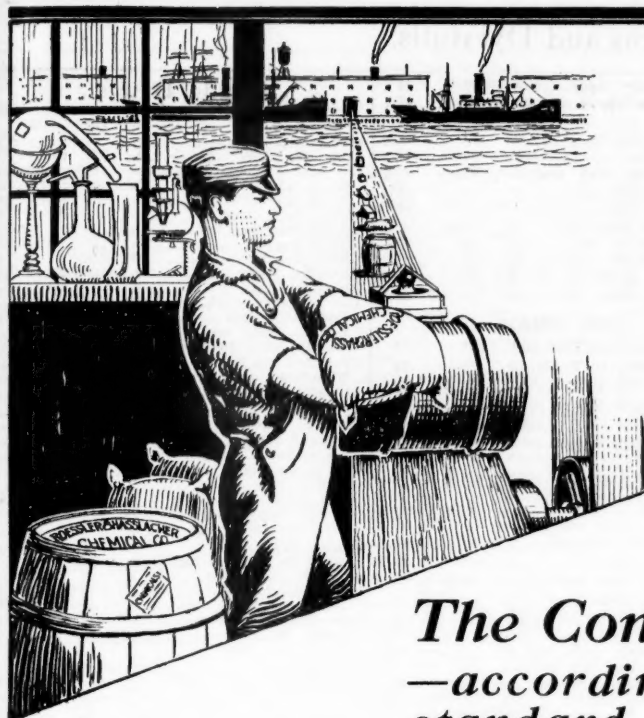
## BETA NAPHTHOL

Dyestuffs and Intermediates  
Manufactured byCONSOLIDATED COLOR & CHEMICAL CO.  
CENTRAL DYESTUFF & CHEMICAL CO.  
WILLIAMSBURG CHEMICAL CO.

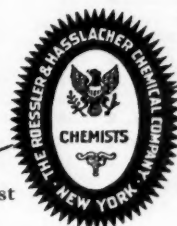
and other American manufacturers, distributed by

H. A. METZ & CO. Inc.  
One Twenty-Two Hudson Street, New York City.  
Boston Philadelphia Providence  
Chicago Charlotte San Francisco

Reg. U. S. Pat. Off.



**R & H**  
**CHEMICALS**



41st

Year

***The Consumer Knows***  
***—accordingly they are the***  
***standard for comparison***

### **Harnessing Chemical Resources to the Wheels of Industry**

For many years it has been the privilege of R & H to convert the mighty chemical resources of nature to the varied needs of the textile industry.

A thorough appreciation of the problems to be met in the textile field has resulted in the scientific application of this knowledge to the production of R & H Chemicals—the standard specification among textile men.

The co-operation of a technically trained organization is at your command in the application of R & H Chemicals.

***Send for the R & H Price***  
***List—a Buyer's Guide***

Each month we issue a partial list of the R & H Products, containing price changes and authoritative comment on special market features. It lists many chemicals used in the textile processes and is used by thousands as a guide in the purchasing of materials. Send for it on your firm's stationery.

**Oxalic Acid**  
**Copper Sulphate**  
**Sodium Acetate**  
**Sodium Sulphide**  
**Yellow Prussiate of Potash**  
**Yellow Prussiate of Soda**

***The***  
**ROESSLER & HASSLACHER CHEMICAL CO.**

709 Sixth Avenue, New York

## Tannins and Dyestuffs

Chestnut, clarified, 25% tks. wks. D	.02	.02%
Bbls., wks. .... D	.02%	.02%
Powd., 60% 100 lb bbls. wks. D	.05%	.05
Decolorized, bbls, wks. .... D	.08	.09
Cudbear, English .... D	.21	.23
Cutch, Rangoon, 100 lb bales .... D	.13	.16
Borneo, solid, 100 lb bales .... D	.04%	.05%
Liquid, 450 lb bbls. .... D	.10	.11
Tablets, 120 lb boxes .... D	.13	.14
Flavine .... D	.90	.95
Fustic, solid 50 lb boxes .... D	.14	.18
Crystals, 100 lb boxes .... D	.22	.24
Liquid, 51°, 600 lb bbls. .... D	.10	.14
Gall extract .... D	.16	.18
Gambier, 25% liq. 450 lb bbls. .... D	.08%	.09%
Common, 200 lb cases .... D	.10%	.11
Singapore cubes, 150 lb bags .... D	.18	.19
NEMATINE, Paste, 500 lb bbls. .... D	.11%	.13%
Crystals, 400 lb bbls. .... D	.16	.20
Hemlock, 25% 600 lb bbls. wks. D	.03%	.03%
Hyperic, 51°, 600 lb bbls. .... D	.15	.20
Indigo, Madras bbls. .... D	.85	.90
Manilla, bbls. .... D	...	1.30
Larch, 25%, 600 lb bbls., wks. .... D	.03%	.03%
Powd. 100 lb bags, wks. .... D	.07%	.08
Lagwood, 51°, 450 lb bbls. .... D	.07%	.12%
Solid, 50 lb boxes .... D	.15	.21
Madder, Dutch .... D	.28	.30
Mangrove, 55% 400 lb bbls. .... D	.04%	.05
Myrobalan, 25% liquid bbls. .... D	.04	.05
50% solid, 50 lb boxes .... D	.04%	.05
Oak, tanks wks. .... D	.04	.04%
23-25% liq. 600 lb bbls. wks. D	.05	.05%

Osage Orange, 51° liquid .... D	.07	.08
Powd. 100 lb bags .... D	.14	.15
Persian Berries .... D	.27	.30
QUEBRACHO, 35% liquid tks. .... D	.03	.03%
450 lb bbls. .... D	.03%	.04
35% bleaching, 450 lb bbls. .... D	.04%	.05%
Solid 65% 100 lb bales .... D	.05	.05%
Clarified bales .... D	...	.06
Quercitron, 51° 450 lb bbls. .... D	.06%	.07%
Powdered, 100 lb boxes .... D	.09	.13
Spruce, 25% liquid tanks wks. .... D	.01	.01%
Powd. 50% 100 lb bags wks. .... D	.02	.02%
Sumac, liquid 450 lb bbls. .... D	.07	.09

## DYEING SUNDRIES

Albumen, technical, egg 200 lb cs. .... D	1.00	1.05
Blood, domestic, 100 lb drs. .... D	.50	.60
Spray Yolk 150 lb cs. .... D	.45	.65
British Gum, 140 lb bags c/l 100 lb	4.44	4.59
Bags, lc/l ..... 100 lb	4.54	4.69
Dextrin, corn 140 lb bags c/l 100 lb	...	4.09
Bags, lc/l ..... 100 lb	...	4.19
Yellow, bags c/l ..... 100 lb	...	4.14
Potato 220 lb bags c/l ..... D	...	.07%
Bags, lc/l ..... D	...	.07%
Yellow, 220 lb bags .... D	...	.08
Taploca, 200 lb bags, lc/l ..... D	.09	.10
Prussian blue .... D	.60	.62
Sago Flour, 150 lb bags .... D	.04%	.05
STARCH, powd. 140 lb bgs. c/l 100 lb	...	3.67
Bags lc/l ..... 100 lb	...	3.77
Pearl, 140 lb bags c/l ..... 100 lb	...	3.57
Potato, domestic, 200 lb bags .... D	.04%	.05
Imported, bags duty paid .... D	.05%	.06
Taploca Flour, high grade bags .... D	.06%	.06%
Medium grade bags .... D	.04%	.04%
Low grade, bags .... D	.04	.04%
Turkey Red Oil, bbls. .... D	.11	.12
Yolk Oil, bbls. .... D	...	.35

## Crude Drugs

Acroides Gum, yel. .... D	.18	.20
ACONITE Leaves, bales .... D	.25	.27
Aconite Root, USP, bags .... D	...	.50
Agar Agar, 1, 200 lb bales .... D	1.80	1.85
No. 2, bales .... D	1.75	1.80
No. 3, bales .... D	1.65	1.75
Agaric, white, cases .... D	...	4.25
Almonds, bitter bags bxs .... D	.32	.35
Sweet, bags .... D	.45	.46
Meal, tins, boxes .... D	.28	.30
Aletris Root, bags .... D	.60	.62
Alkanet Root, bags .... D	.07	.08
Aloes, Barbadoes, 120 lb bbls. .... D	.65	.70
Cape, 400 lb cases .... D	.09	.10
Curacao, 100 lb cases .... D	.10%	.11
Socotrine, whole 100 lb cs. .... D	.30	.32
Althea Root, cut cases .... D	.25	.28
Whole bags .... D	.09	.10
Ambergris, black boxes .... D	...	8.00
Grey, boxes .... D	...	28.00
Ammoniac, tears, bags .... D	1.35	1.40
Angelica Root, dom. bags .... D	.14	.15
Angelica Bark, bags .... D	.08	.10
Anise, Levant bags .... D	.15	.16
Russian, bags .... D	.14	.15
Star, cases .... D	.12	.12%
Spanish, bags .... D	.16%	.17
Anatto Seed, 200 lb bags .... D	.19	.21
ARABIC GUM, white, No. 1, 200 lb bags .... D	.26	.28
Seconds, 250 lb bags .... D	.24	.26
Sorts, amber, 200 lb bags, bbls. .... D	.13%	.14
Powd., USP, 300 lb bbls. .... D	.21	.22
Area Nuts, 150 lb bags .... D	...	.09
Powd., 200 lb bbls. .... D	...	.11
Arnica Flowers, bales .... D	.10	.11
Root, Bags .... D	.14	.16
Arrowroot, Amer. powd. bbls. .... D	.06%	.06%
St. Vincent, powd. bbls. .... D	.15%	.17
Asafetida, USP, 250 lb cases .... D	.24	.25
Powd. 50 lb bxs .... D	.49	.50
BALM GILEAD BUDS, bags .... D	.45	.50
Balmory Herb, bales .... D	...	.14

PODOPHYLLIN  
U. S. P.

HYDRASTINE  
U. S. P.

COLCHICINE  
U. S. P.

Synthetic Chemicals  
Alkaloids

EXTRACTS

Write for Prices

The Abbott Laboratories

DEPT. 151

4739-53 RAVENSWOOD AVE.

CHICAGO, ILL.

AGAR  
AGAR

Shima Trading Co., Ltd.

42 Broadway, New York

Head Office: Osaka, Japan

# Crude Drugs

<b>BALSAMS</b>			Cannabis, true imp. bags.....lb	..	6.00	Cloves, Zanzibar, 135 lb bales...lb	.33	.34
Copaiba, Para, 80 lb cs.....lb	.23	.25	American (no assay) bales.....lb	.80	.85	Amboyas, bales.....lb	..	..
South American, 80 lb cs.....lb	.28	.29	USP.....lb	1.70	1.85	Penang, bales.....lb	..	..
Flr Canada, cans.....gal	12.80	13.00	Cantharides, Chinese cases.....lb	1.05	1.10	Cochineal, USP, boxes.....lb	.35	.37
Oregon, bbls, cans.....gal	2.25	2.35	Powdered, boxes.....lb	1.25	1.80	Coca Leaves, Huanuco bags.....lb	..	..
Peru, 120 lb cases.....lb	1.75	1.80	Cantharides, Russian, cases.....lb	1.50	1.60	Truxillo, bags.....lb	..	.55
Tolu, 90 lb cases.....lb	2.25	2.35	Powdered, boxes.....lb	1.70	1.75	Cohosh Root, Black bags.....lb	.15	.16
Bamboo Brier Root, bags.....lb	.06	.07	Caraway Seed, African, bags.....lb	.24	.25	Blue, bags.....lb	.17	.18
Barberry Bark, tree bales.....lb	.22	.24	Dutch, 110 lb bags.....lb	25 1/4	.26	Colchicum Root, bags.....lb	.08	.09
Bayberry Bark, bales.....lb	.11	.12	Cardamom bleach cases.....lb	1.35	1.70	Seed, bags.....lb	.10	.11
Wax, bbls.....lb	.26	.27	Decorated, cases.....lb	1.30	1.40	Colombo Root, whole bags.....lb	.03	.04
Belladonna Leaves, bales.....lb	.18	.19	Green, grinding, bags.....lb	1.03	1.10	Colocynth, apples, cases, bales.....lb	.17	.22
Root, bags.....lb	.11	.12	Carnauba Wax, Flor. bags.....lb	.52	.53	Pulp, USP, bales.....lb	.33	.35
Bees Wax, white bbls.....lb	.36	.38	No. 1 N Country bags.....lb	.40	.42	Coltsfoot Leaves, bags.....lb	.06	.07
Yellow, refined bbls.....lb	.22	.24	No. 2 N Country bags.....lb	.24	.26	Comfrey Root, bags.....lb	.13	.14
Crude, bags.....lb	.23	.24	No. 3 Fatty Gray, bags.....lb	.18 1/4	.19 1/4	Condurango Bark, bales.....lb	.12 1/4	.13
Bensoin Gum, Siam, boxes.....lb	1.30	1.35	No. 3 Chalky, bags.....lb	.19 1/4	.20	Conium Seeds, bags.....lb	..	.16
Sumatra, 80 lb boxes.....lb	.27	.28	Cascara Amarga, 150 lb bales.....lb	.30	.32	Copaiba Balsam Para, see Balsams	..	..
Berberis Aquifolium Root, bags.....lb	.14 1/4	.15	Cascara Sagrada, bales, Old.....lb	..	..	Copal Gum.....lb	.12	.13 1/4
Beth Root, bags.....lb	.22	.25	New.....lb	.24	.26	Coriander Seed, Bombay bags.....lb	.05	.07
Blackhaw Bark, root, bales.....lb	.40	.42	Cascarilla Bark, quills bales.....lb	.36	.40	Morocco, bags.....lb	.10 1/4	.10 1/4
Tree, bales.....lb	.28	.30	Siftings, bbls.....lb	.20	.25	Bleached, bags.....lb	.14 1/4	.15 1/4
Rhod Root, bags.....lb	.15	.16	Cassia Buds, 66 lb cases.....lb	.12 1/4	.13	Corn Silk, bales.....lb	.05 1/4	.06
Blueflag Root, bags.....lb	.23	.25	China, select, mats cases.....lb	.09	.09 1/4	Cotton Root Bark, bales.....lb	..	.30
Boldo Leaves, bales.....lb	.20	.21	Salgon, assort. bales.....lb	.24	.25	Cramp Bark, so-called bales.....lb	..	.08
Boneset Herb, bales.....lb	.08	.11	Cassia Fistula, baskets.....lb	.09 1/4	.10	True, bags.....lb	.40	.42
Borage Flowers, bales.....lb	.18	.20	Castor Beans, bags.....lb	.03	.03 1/4	Cranesbill Root, bags.....lb	.10	.11
Bryonia Root, bags.....lb	.09	.10	Castoreum, 1 lb bot.....lb	4.00	4.50	CUBEB BERRIES, XX bags.....lb	.70	.75
<b>BUCHU LEAVES, short, 250 lb</b>			Catechu Gum, bags.....lb	.09	.10	Powdered, boxes.....lb	.75	.78
bales.....lb	.89	.95	Catnip Herb, bales.....lb	.15	.17	Culvers Root, bags.....lb	.30	.35
less, bales.....lb	1.00	1.05	Celery Seed, 220 lb bags.....lb	.30	.32	Cumin Seed, Levant bags.....lb	..	..
Loong, bales.....lb	..	..	Ceresin Wax, white bags.....lb	.09	.10	Morocco, bags.....lb	.24	.27 1/4
Buckhorn Bark, bales.....lb	.07	.08	Yellow, 200 lb bags.....lb	.08	.09	Cuttlefish Bone, Trieste, straps.....lb	.15	.16
Burdock Root, bags.....lb	.19	.20	<b>CHAMOMILE FLOWERS, Roman</b>			Jewelers, large, straps.....lb	..	.55
Burgundy Pitch, dom. 110 lb stands	..	..	bales.....lb	1.00	1.10	Small, straps.....lb	..	.35
Gross for net.....lb	..	.05	Hung. cases bales.....lb	.09	.10	French, straps.....lb	.15	.16
Calabar Beans, bags.....lb	.12	.14	Charcoal Willow, powd. bbls.....lb	.06	.06 1/4	Powdered, boxes.....lb	..	.13
Calamus Root, bleached cases.....lb	.36	.38	Wood, powd. bbls.....lb	.04	.06	Broken, boxes.....lb	.07	.07 1/4
Unbleached, bags.....lb	.10	.12	Chestnut Bark, bags.....lb	.07	.08	Damar Gum, 136 lb cases.....lb	.25 1/4	.26
Calendula Petals, imp. bales.....lb	..	.30	Herb, bales.....lb	.06	.06 1/4	Damiana Leaves, bales.....lb	.13 1/4	.11
Calisaya Bark, bales, powd.....lb	.27	.30	Chicle Gum, bags.....lb	.75	1.00	Dandelion Root, Imp., bags.....lb	.22	.23
Camphor, see Chemicals	..	..	Chiretta, bales.....lb	.10	.12	Deer Tongue Leaves, bales.....lb	.09	.10
Canary Seed, Morocco bags.....lb	..	.06	Cinchona Bark, red quills bales.....lb	.45	.50	Digitalis Leaves, bales.....lb	.07	.08
South American, bags.....lb	.05	.05 1/4	Broken, bales.....lb	.25	.28	Dill Seed, bags.....lb	.08 1/4	.09
Candella Wax, bags.....lb	.23	.25	Cinnamon, Ceylon, bales, bond.....lb	.22	.22 1/4	..	..	..
Canella Alba Bark, bales.....lb	.52	.55	Civet, Abyssin horns.....oz	2.75	3.75	..	..	..
..	..	..	Clover Tops, bags.....lb	.24	.26	..	..	..



25 BROAD STREET  
NEW YORK CITY

H. R. Lathrop & Co., Inc.

110-6 Beekman Street

NEW YORK

Buchu Leaves

Sole Agents U. S. A.

KITAGUMI JAPAN WAX

## Crude Drugs

Dogwood Bark, Jamaica bags....lb	.10 1/4 : .12	Grindelia Robusta Herb, bales....lb	.07 : .07 1/4	LADY SLIPPER ROOT, bags....lb	.51 : .65
Flowers, bales.....lb	.12 : .15	Guaiac Gum, 80 lb cases....lb	.28 : .30	Larkspur Seed, bags.....lb	.34 : .36
Doggrass Root, USP, cut bags....lb	.12 : .14	Guarana, tins, cases.....lb	.60 : .70	Laurel Leaves, bales.....lb	.04 1/4 : .04 1/2
Dragons Blood, mass cases....lb	.45 : .50	GUM, see Arabic Gum, etc.		Lavender-Flowers, Ordinary....lb	.35 : .40
Reeds, boxes.....lb	1.35 : 1.40	HELLEBORE ROOT,		Selected.....lb	.60 : .55
ECHINACEA ROOT, bags....lb	.32 : .34	Black, bbls.....lb	.08 : .10	Leeches, tubs.....Per 100	6.00
Elecampane Root, bags....lb	.09 : .10	Powdered.....lb	.13 : .15	Lemon Peel, bags.....lb	.09 : .10
Elder Flowers, bags....lb	.14 : .16	White, Powd. 250 lb bbls....lb	.16 : .17	Licorice Root, Russian whole....lb	.07 1/4 : .08
Elemi Gum, 80 lb cases....lb	.10 : .11	Heiconias Root, (unicorn false) bags.....lb	.88 : .90	Spanish, natural bales.....lb	.09 : .09 1/4
Elm Bark, select, 5 lb bundles cases lb	.30 : .32	Hemp Seed, Manchurian bags....lb	.05 : .05 1/4	Powdered, bbls.....lb	.09 1/4 : .10
Grinding, bags.....lb	.10 : .12	Chilian, bags.....lb	.35 : .46	Selected, 2 & 5 lb bundles....lb	.16 : .20
Powdered, bbls.....lb	.22 : .23	Henbane Leaves, bales, USP....lb	.30 : .35	Cuttings, 125 lb bags....lb	.07 : .07 1/4
ERGOT, 150-200 lb bags....lb	.38 : .40	No assay.....lb	.12 : .13	Life Everlasting Herbs, bales....lb	.05 : .06
Eucalyptus Leaves, bales....lb	.05 : .05	Henna Leaves, bales....lb	.16 : .17	Lime Juice, clarified bbls....gal	.50 : .60
Euphorbia Piliifera Herb, bags....lb	.15 : .17	Powdered.....lb	.11 1/4 : .12	Linden Flowers, with leaves, bales lb	.14 : .16
Euphorbium Gum, cases....lb	.32 : .33	Hops, N. Y. prime bales....lb	.25 : .28	Without Leaves, bales....lb	.30 : .32
Powdered, boxes.....lb	.40 : .40	Pacific Coast prime bales....lb	.22 : .25	Liverwort Leaves, bales....lb	.20 : .22
Fennel Seed, French, bags....lb	.17 : .18	Horhound Herb, bales....lb	.10 : .11	Lobelia Herb, bales....lb	.22 : .23
German, bags.....lb	.18 : .19	Horsetail Rush, bags....lb	.15 : .15	Lobelia Seed, bags....lb	.62 : .65
Indian, bags.....lb	.12 : .12 1/4	India Gum, see Karaya		Lovage Root, Imported, bags....lb	.20 : .22
Flax Seed, whole 180 lb bbls....ca	13.00 : 13.50	INSECT FLOWERS, open whole bales.....lb	.02 : .04	Lupulin, boxes.....lb	1.40 : 1.50
Ground, 180 lb bbls....lb	.07 1/4 : .08	Closed whole, bales....lb	.20 : 2.05	Domestic.....lb	1.30 : 1.40
Foenugreek Seed, 200 lb bags....lb	.07 : .07 1/4	Powdered, pure 200 lb bbls....lb	.210 : 2.15	Lycopodium, 88 lb cs....lb	.36 : .38
Fish Berries, 100-125 lb bags....lb	.03 : .03 1/4	Flowers and stems, 50 p. c. 200 lb bbls.....lb	.38 : .40	MACE, Siawu, No. 1 cases....lb	.44 : .45
Fringe Tree Bark, bags....lb	.19 : .20	Ipecac Root, Carthagena, bags....lb	.65 : .70	Banda, No. 1 cases....lb	.50 : .52
GALANGAL ROOT, bags....lb	.08 : .09	Powdered, 200 lb bbls, boxes, lb	.550 : 7.50	Batavia, cases.....lb	.38 : .39
Galbanum Gum, cases....lb	.80 : .95	Rio Whole, bags.....lb	.16 : .18	Malva Flowers, blue bales....lb	.27 : .30
Gambier Gum, bags....lb	.09 : .09 1/4	Powdered, 200 lb bbls, boxes, lb	.32 : .34	Black, bales.....lb	.65 : .75
Gamboge Gum, 160 lb cases....lb	1.00 : 1.05	Isinglass, American, 130 lb cs....lb	.16 : .18	Manna, large flake cases....lb	.40 : .42
Powdered, cases.....lb	1.05 : 1.10	Russian (Beluga) bxs. ctns....lb	.25 : .30	Small flake, cases....lb	.27 : .30
Gelsemium Root, bags....lb	.11 : .11 1/4	JABORANDI LEAVES, bales....lb	.03 : .03 1/4	Sorts, cases.....lb	.20 : .22
Gentian Root, bags....lb	.08 1/4 : .09	Jalap Root, whole, 150 lb bags....lb	1.90 : 2.00	Mandrake Root, bags.....lb	.20 : .22
Ginger, African, bags....lb	.13 1/4 : .14	Powdered, USP, 250 lb bbls....lb	.15 : .20	Mastic Gum, 120 lb cases....lb	.65 : .70
Jamaica, grinding, bags bbls....lb	.32 : .39	Japan Wax, 224 lb cases....lb	.18 : .17	Mazereon Bark, bags....lb	.11 : .12
Japan, bags.....lb	.14 : .14 1/4	Job's Tears, white bags....lb	.50 : .55	Matico Leaves, bales....lb	.20 : .22
Cochin, ABC & lemon, bags....lb	.15 : .15 1/4	KAWALA, boxes.....lb	.05 : .06	Marjoram Leaves, German bales....lb	.17 1/4 : .18
Ginseng Root, cultivated, bags....lb	9.00 : 10.00	Karaya Gum, powdered, bbls....lb	.15 : .20	French, bales.....lb	.13 1/4 : .14 1/4
Northern Wild, bags....lb	14.00 : 15.00	Kava Kava Root, bags....lb	.50 : .55	Millet Seed, dom. yellow bags....lb	.03 1/4 : .05
Southern Wild, bags....lb	10.00 : 12.00	Kino Gum, black cases....lb	.05 : .06	Montan, Wax, crude bags....lb	.04 : .04 1/4
Golden Seal Root, bags....lb	3.45 : 3.55	Kola Nuts, 150 lb bags....lb	.05 : .06	Bleached.....lb	.05 : .09
Powdered, boxes.....lb	3.85 : 3.95	Kooser Flowers, bags....lb	.05 : .06	Irish, bleached bales....lb	.10 : .12
Graine of Paradise, bags....lb	.12 : .14			Mullein Flowers, tins....lb	1.25 : 1.30

QUALITY SERVICE

**B.G. FEINBERG**

111-WATER STREET  
NEW YORK CITY

**BENZOIC**  
ACID and SODA  
BENZYL ALCOHOL, BENZYL BENZOATE  
ARSENIC  
CARBON TETRACHLORIDE

TRUTH VALUE

## First Tyrolese Pine Oil Distillery

UNTERWEGER BROTHERS

Thal-Assling, Tyrol, Austria

Oil Pine Pumilio U. S. P.

Oil Savin U. S. P.

Oil Juniper, twice rectified U.S.P.

Tyrolat U.S.P.

**DELPHI PRODUCTS**

INCORPORATED

Chicago  
Main 4762New York  
Beckman 1514

**COPPER SULPHATE  
BLUE VITRIOL  
BLUESTONE**

**McKECHNIE BROS., Inc.**

Delaware Avenue and Bigler Street

PHILADELPHIA

Bell Phone 8584 Oregon

GEORGE UHE

**BROKERS**

NEW YORK

# Crude Drugs

Musk, pods Cabardine, tin.....	16.00	17.00	Patchouli Leaves, bales.....	.22	.25	Rosemary Flowers, cases bales....	.28	.30
Tonquin.....	22.00	25.00	Pepper, black Sing. bags.....	.10%	.10%	Rose Petals, pale.....	.22	.25
Grain Cab.....	25.00	26.00	White, bags.....	.14	.14%	Red.....	.22	.25
Tonquin.....	35.00	38.00	Peppers, red Mombasa, bags.....	.16	.16%	Kue Herb, bales.....	.30	.35
Synthetic, see Chemicals			Cherries, bags.....	.14	.15	SABADILLA SEED, bags.....	.13	.14
Musk Root, Russian bags.....			Bombay, bags.....	.15	.15%	Powder, bbls.....	.17	.18
Mustard Seed, Bari brown bags..	.08%	.09	Japan, bags.....	.28%	.30	Saffron Flowers, Amer. bales....	1.00	1.05
Bombay, brown.....	.08%	.09	Pennyroyal Herb, bales.....	.08	.12	Valencia, 1 lb cans.....	35.00	36.00
California, brown.....	.08%	.09	Peppermint Leaves, imp. bales..	.27	.29	Sage, Dalmatian bales.....	.05%	.06%
Yellow.....	.04	.04%	Domestic leaf.....	.23	.25	Greek, bales.....	.04%	.05%
Chinese yellow.....	.08%	.09	Peru Balsam, see Balsams.....	.05	.05%	Spanish, bales.....	.03	.03%
English, yellow.....	.08	.08%	Pitch Leaves, bags.....	.23	.25	Sandalwood, chips bags.....	.20	.23
Dutch, yellow.....	.08	.08%	Pimento, select bags.....	.05	.05%	Ground, bags.....	.20	.23
Danish, yellow.....	.08%	.09	Pink Root, true bags.....	.23	.25	Sarsaparilla Root Honduras, bales	.61	.65
Myrrh Gum, select 200 lb cs.....	.35	.37	Pitch, Burgundy, see Burgundy Pitch	.23	.25	Mexican, bales.....	.26	.27
Sorta, cases.....	.33	.35	Pleurisy Root, bags.....	.23	.25	Sassafras Bark, ordinary bales..	.12	.14
NUTGALLS, Chinese bags.....	.17	.18	Plantain Leaves, bales.....	.23	.25	Select, bales.....	.26	.27
Aleppy, bags.....	.14	.15	Poke Berries, bags.....	.23	.25	Savory Leaves, bales.....	.08%	.09%
Nutmegs, 110s cases.....	.21	.22	Poke Root, bags.....	.23	.25	Saw Palmetto Berries, bags.....	.10	.11
75s, 80s cases.....	.26	.28	Pomegranate Bark, of root bags..	.23	.25	Scammony Resin, boxes.....	1.40	1.60
Nux Vomica Buttons, bags.....	.07	.08	Of Fruit, bags.....	.23	.25	Scammony Root, bags.....	.06%	.07
Powdered, 200 lb bbls.....	.09	.11	Of tree.....	.23	.25	Senega Root, bags.....	.64	.66
OK BARK, red bags.....	.05	.06	Poppy Flowers, red bags.....	.11	.11%	SENNA, Alex. 150 lb cases.....	.30	.31
White, bags.....	.06	.07	Poppy Seed, Dutch, bags.....	.11	.11%	Half Leaf, 350 lb bales.....	.16	.18
Olibanum Gum, sift 280 lb cases..	.09	.09%	German, bags.....	.11	.11%	Siftings, 400 lb bales.....	.13	.14
Tears, 280 lb cases.....	.11	.13	Turkish, bags.....	.06	.08	Powdered, 200 lb bbls.....	.11	.13
No. 1, all white, 280 lb			Blue Indian, bags.....	.07	.07%	Grinding, 350 lb bales.....	.05	.07
cases.....	.21	.22	White Indian, bags.....	.07	.07%	Powdered, 200 lb bbls.....	.08	.08%
Opium, gum USP cases.....	8.00	9.00	Frickly Ash Bark Southern, bags..	.14	.14%	Pods, 350 lb bales.....	.07	.08
Granular, cans.....	9.00	10.00	Northern, bags.....	.14	.14%	Serpentaria Root, bags.....	.80	.85
Powdered, USP, cans.....	9.00	10.00	Frickly Ash Berries, bags.....	.12	.14	Shellac, T.N., bags.....	.62	.63
Orange Flowers, cases.....	.50	1.00	Prince's Pine, bales.....	.35	.38	Superfine Orange, bags.....	.68	.70
Orange Peel, bitter bags.....	.07%	.07%	Pulsatilla Herb, bags.....	.25	.27	D. C., bags.....	.83	.85
Sweet, bags.....	.08	.08%	Pumpkin Seed, bags.....	.14	.16	V. S. O., cases.....	.83	.85
Orris Root Florentine bold bags..	.07	.08	QUASSIA CHIPS, bags.....	.06%	.07%	Pwd. reg., 350 lb bbls.....	.73	.75
Powdered, 200 lb bbls.....	.11%	.12	Queen of the Meadow Herb, bags..	.90	1.00	Regular Bleached, 350 lb bbls..	.70	.72
Verona, bags.....	.06	.06	Quince Seed, bags.....	.06%	.07	Bone, Dry, 350 lb bbls.....	.09	.10
Powdered, 200 lb bbls.....	.07%	.08	RAPE SEED, South Amer. bags..	.05%	.07	Simaruba Bark, bales.....	.18	.18
Fingers, cases.....	.58	.60	Dutch, bags.....	.05%	.06	Sideritis Herb, cut bags.....	.38	.38
Ozokerite Wax, brown hard bags..	.22	.24	Japanese, small, bags.....	.56	.60	Skullcap Leaves, bales.....	.03	.04
Green, hard bags.....	.25	.26	Raspberries, dried boxes.....	.17	.19			
Refined, yellow bags.....			Red Saunders, bags.....	.08%	.10			
PAPRIKA, bags.....	.17	.22	Rhatany Root, bags.....	.38	.40			
Hungarian.....	.27	.37	RHUBARB, H. D., cases.....	.45	.46			
Parsley Brava Root, bags.....	.19	.20	Powdered, 200 lb bbls.....	.04%	.05			
Parsley Seed, bags.....	.08	.08%	Rosemary Leaves, bales.....					

## CHURCH & DWIGHT Co.

80 Maiden Lane

New York

**Bicarbonate of Soda**  
**Sal Soda**  
**Monohydrate of Soda**

## Geranium Reunion

(Since '73)

**M.L. BARRETT & CO. Merchants**

Essential Oils Fine Chemicals Synthetics Colors

233 WEST LAKE STREET - CHICAGO, ILL.

Established 1873

Cables: Lazerno

## Arthur Stallman & Co.

282 Pearl Street, New York City

"CRUDE DRUG HEADQUARTERS"

American Saffron

Henna Leaves

(Whole—Powdered)

Cut Doggrass

French Thyme

Valerian Root

Spanish Anise Seed

We offer for PROMPT delivery

**QUICKSILVER**

(IN ORIGINAL BOTTLES)

ALL MERCURIAL SALTS

AMMONIUM PERSULPHATE 98% PURE

ROCHELLE SALTS

STRYCHNINE

FINE CHEMICALS, etc.

**MAY & BAKER, L<sup>TD</sup>.**

Manufacturing Chemists and Exporters

BATTERSEA, LONDON

ENGLAND

Cable Address: BISMUTH, LONDON

## Crude Drugs

Snake Root, Canada natural bags. lb	.36	.38
Stripped, bags	...	.55
<b>SOAP BARK, whole, 150-200 lb</b>		
bales	.07%	.09
Cut, 125-175 lb bags	.08%	.09
Crushed, 200 lb bbls.	.10	.11
Powdered, 200 lb bbls.	.12	.14
Spearment Leaves, American bales. lb	.23	.24
Spermaceti, blocks cakes cases. lb	.39	.41
Spikenard Root, bags	.27	.28
Spruce Gum, boxes	1.00	1.50
Squaw Vine, bales	...	.17
Stavesacre Seed, bags	.28	.29
Stone Root, bags	.09	.10
Storax, liquid artif.	.70	.75
Gen. USP	.90	1.00
St. Ignatius Beans, bags	.22	.23
St. John's Bread, bags	.04	.06
Stramonium Leaves, bales	.07	.08
Stramonium Seed, bags	.12	.13
Strophanthus Seed, Hispania	.35	.40
Kombe, bags	.30	.35
Sunflower Seed, domestic bags. lb	.07	.07%
South American, bags	.08	.07%
<b>TAGALDER BARK, bags</b>	...	.05
Tamarinds, bbls.	...	.06%
Kegs	...	3.50
Tansey Herb, bales	.18	.20
Tar, Barbadoes, 50 gal. bbls. gal	1.60	1.75
Tons Gum, 280 lb bbls.	...	.05%
Thyme, Spanish bales	.08	.08%
French, bales	.09%	.09%
Tilia, See Linden		
Tolu Balsam, see Balsams		
Tongo Bark, bags	.30	.31
Tonka Beans, Angostura, cases. lb	2.25	2.35
Para, cases	.75	.80
Surinam, cases	.80	.85

<b>Tragacanth Gum, No. 1, ribbon,</b>		
200 lb cs.	1.45	1.50
No. 2 to No. 6, cases	1.00	1.45
Powdered, 50 lb boxes	1.00	1.50
Turkish, cases	.75	.90
Turmeric Root, Madras bags. lb	.10%	.11
Aleppy, bags	.09	.09%
China, bags	.08	.08%
Turpentine, Venice, true 80 lb cs. lb	.17	.20
Artificial, 80 lb cases	.14	.15
Spirits, see Naval Stores		
<b>UNICORN ROOT, false, see Helonias</b>		
True, see Aletris		
Uva Ursi Leaves, bales	.05%	.06%
<b>VALERIAN ROOT, Belgian bags. lb</b>	.10%	.11
Vanilla Beans Mex. whole cases. lb	9.00	10.00
Cuts, cases	6.25	6.50
Bourbon, cases	4.60	4.85
South American, cases	6.00	6.50
Tahiti, yellow label cases	...	...
Green Label, cases	...	...
Violet Flowers, bags	.65	.70
<b>WAHOO BARK, of root bags. lb</b>	1.00	1.05
Of Tree, bags	.43	.45
White Pine Bark, rosed, bags. lb	.07	.08
White Poplar Bark, bags	.04	.05
Wild Cherry Bark, thin green		
Rosed, bales	.14	.15
Thick Rosed, bales	.09	.10
Thin Natural, bales	.12	.14
Thick Natural, bales	.07	.08
Willow, bark bags	...	.08
White, bags	...	.15
Witch Hazel Bark, bags	...	.07
Witch Hazel Leaves, bales	...	.08
Worm Seed, American bags. lb	.09	.10
Levant bags	...	4.00
Wormwood Herb, imported bales. lb	...	.10
Yacca Gum, red.	.04	.04%
Ground	.05%	.06%
<b>YELLOW DOCK ROOT, bags. lb</b>	.12	.14
Yellow Parilla Root, bags	.16	.17
Yerba Santa, bags	.10	.11
Zedoary Root, bags	.08	.10

## Essential Oils

Almond Bitter USP 5 lb bots.	3.25	3.75
Bitter fl PA 5 lb bots.	3.50	3.75
Artificial (See Benzaldehyde—Chemicals)		
Sweet, 56 lb cans	.33	.34
Peach Kernel, 55 lb tins.	.24	.25
Apricot, see Peach Kernel		
Amber, crude 25 lb tins.	.70	.75
Rectified, 25 lb tins.	.90	1.00
Angelica Root, 1 lb bot.	38.00	39.00
Seed, 1 lb bot.	36.00	38.00
<b>ANISE, Tech., 68 lb cases</b>	.42%	.45
USP 50 lb tins	.45	.50
Bay, 25 lb tins.	2.50	2.60
Bergamot, 25 lb coppers.	2.75	2.85
Artificial, 25 lb cans.	2.00	2.25
Birch Tar, rect. 5 lb bot.	1.10	1.15
Crude, 50 lb tins.	.60	.65
Bois de Rose, 25 lb tins.	2.40	2.50
Cade, USP, 25 lb tins.	.35	.40
USP, 5 lb bot.	.45	.50
Cajuput, native, 50 lb tins.	.80	.85
Calamus, 5 lb bot.	4.25	4.75
Camphor, heavy, 1000 lb drums.	.12%	.13%
Japanese, white, 72 lb cases.	.13%	.15
White, 1000 lb drums.	.13	.15
Cananga, native 25 lb tins.	2.25	2.50
Rectified, 25 lb tins	2.75	3.00
Caraway, USP	7.75	8.50
Cardamom, USP, 1 lb bot.	25.00	27.00
Carvel, 5 lb bot.	16.00	18.00
<b>CASSIA, 75-80 p.c. 68 lb cases. lb</b>	2.45	2.50
Redistilled, USP, 50 lb cans.	3.00	3.10
Cedar Leaf, 50 lb tins.	1.05	1.15
Cedar Wood, light 1000 lb drums.	.28	.28
Celery, 1 lb bot.	8.50	9.00
Cinnamon, Ceylon 1 lb bot.	11.00	12.50
Leaf, 5 lb bot.	...	2.00
<b>CITRONELLA, Ceylon, 1000 lb drs. lb</b>	.80	.85
50 lb tins	.82	.87
Java, 400 lb drums.	.90	.95
50 lb tins	.92%	.97%
Cloves, USP, 50 lb cans.	2.25	2.35
6 lb bot.	2.35	2.45

UNGERER &amp; CO.



OTTO OF ROSES

CHIRIS

EUCALYPTOL

U. S. P.

Pure and free from all objectionable foreign odor and flavor.

Especially recommended for all preparations demanding a product of high quality.



Antoine Chiris Company

147-153 Waverly Place, New York, N. Y.

CANADIAN OFFICE: 489 St. Paul Street, W., Montreal, Can.

CHICAGO OFFICE: 150 W. Austin Avenue, Chicago, Ill.

## Essential Oils

Copaiba, USP, 50 lb tins.....	lb	.35	: 40
Coriander, USP, 1 lb bot.....	lb	17.00	: 17.50
Croton, USP, 25 lb tins.....	lb	1.00	: 1.10
Cubeb, USP, 5 lb bot.....	lb	5.75	: 6.00
Cumin, 1 lb bot.....	lb	14.00	: 15.00
Dill, 1 lb bot.....	lb	4.25	: 5.00
Erigeron, 20 lb tins.....	lb	.85	: .90
EUCALYPTUS, Austl. USP			
50 lb cs.....	lb	.60	: .63
500 lb drums.....	lb	...	: .57
Fennel USP, 25 lb tins.....	lb	1.00	: 1.10
Geranium, Algerian, 25 lb tins..	lb	8.00	: 8.50
Bourbon, 25 lb tins.....	lb	7.50	: 8.00
Turkish, 25 lb tins.....	lb	4.50	: 4.75
Ginger, 1 lb bot.....	lb	5.75	: 6.00
Gingergrass, 28 lb tins.....	lb	2.75	: 3.00
Hemlock, 50 lb cans.....	lb	1.10	: 1.20
Juniper Berries, USP, 25 lb tins..	lb	1.15	: 1.25
Wood, 50 lb tins.....	lb	.60	: .70
Lavender, USP, 28 lb tins.....	lb	4.00	: 5.50
Spike, Spanish, 50 lb cans.....	lb	.60	: .65
LEMON, Ital. USP, 25 lb tins.....	lb	.70	: .85
American, USP, 25 lb tins.....	lb	.95	: 1.00
Lemongrass, native, 50 lb cans....	lb	.80	: .85
Limes, express 25 lb tins.....	lb	1.50	: 1.70
Distilled, 25 lb tins.....	lb	.85	: 1.00
Linaloe, Mex. 80 lb cases.....	lb	2.25	: 2.35
Mace, distilled, 50 lb tins.....	lb	.95	: 1.00
Mirbane, ref., see Ar. Chemicals			
Mustard, USP, 1 lb bot.....	lb	...	: 14.00
Artif., USP, 5 lb bot.....	lb	2.70	: 3.00
Neroli, Bigarade, 1/2 & 1 lb bot..	lb	40.00	: 60.00
Petale 1 lb bot.....	lb	65.00	: 80.00
Artificial, 1 lb bot.....	lb	10.00	: 25.00
Nutmeg, USP, 25 lb tins.....	lb	.95	: 1.00
Orange, bitter, 25 lb tins.....	lb	2.85	: 2.75
Sweet, W. Ind., 25 lb tins.....	lb	2.15	: 2.25
Italian, 25 lb cop.....	lb	3.25	: 3.60
American, 25 lb tins.....	lb	3.10	: 3.15
Origanum, 50 lb cans.....	lb	.30	: .35
Parsley, 1 lb bot.....	lb	3.50	: 4.00
Patchouli, 5 lb bot.....	lb	7.75	: 8.00
Pennyroyal, dom. 25 lb tins.....	lb	1.95	: 2.25
Imported, 25 lb tins.....	lb	1.90	: 2.00
PEPPERMINT, nat. 60 lb cases....	lb	3.05	: 3.15
Redist., USP, 60 lb cases.....	lb	3.30	: 3.40
Petit Grain, S. Am. 25 lb tins..	lb	1.75	: 1.85
French, 1 lb bot.....	lb	7.00	: 8.00

Pimento, 25 lb tins.....	lb	1.85	: 1.95
Pinus Sylvestris, 25 lb tins.....	lb	...	: 1.75
Pumilio, USP, 25 lb tins.....	lb	...	: 2.75
Rose, Fr., 8, 16 & 32 oz. pkgs. oz	oz	...	: 9.00
Bulg., 8, 16 & 32 oz. pkgs. oz	oz	8.00	: 9.00
Artificial, 1 lb bot.....	lb	2.00	: 3.00
Rosemary, USP, 27 1/2 lb tins.....	lb	.40	: .42
1000 lb drums.....	lb	...	: .37 1/2
Tech., 27 1/2 lb tins.....	lb	.35	: .40
Rue, 1 lb bot.....	lb	...	: 4.25
Sandalwood, E. Ind. USP, 76 lb cases	lb	7.25	: 7.40
W. Indian, (Amyris) 25 lb tins..	lb	3.00	: 3.25
Sassafras, USP, 50 lb cans.....	lb	...	: 1.75
Artificial, 1000 lb drs., 60 lb cans	lb	.38	: .42
Savin, 5 lb tins.....	lb	3.00	: 3.25
Spearmint, USP, 60 lb cases.....	lb	2.50	: 2.60
Spruce, 50 lb tins.....	lb	1.10	: 1.20
Tansy Amer., 20 lb tins.....	lb	4.50	: 4.75
Tar, 50 gal. bbls.....	gal	.25	: .26
Refined, USP 25 lb tins.....	lb	...	: ...
Thyme, red, USP 25 lb tins.....	lb	1.00	: 1.10
White, USP 25 lb tins.....	lb	1.15	: 1.25
Crude, 110 lb drums.....	lb	.85	: .90
Vetiver, Bourbon, 1 lb bot.....	lb	7.25	: 7.50
Java, 1 lb bot.....	lb	22.00	: 24.00
Wine, heavy 1 lb bot.....	lb	...	: 2.75
WINTERGREEN			
Sweet bch., 25 lb tins.....	lb	2.00	: 3.00
Gaultheria, true 25 lb tins.....	lb	4.00	: 7.00
Synthetic, USP, 50 lb cases.....	lb	...	: .47
Wormseed Balt., USP, 25 lb tins..	lb	3.75	: 4.25
Wormwood dom., 25 lb tins.....	lb	4.50	: 4.75
Ylang Ylang, Bourbon 10 lb tins	lb	...	: ...
No. 1.....	lb	7.00	: 9.00
No. 2.....	lb	5.00	: 6.00
Manila, 1 lb bot.....	lb	30.00	: 40.00
Artificial, 1 lb bot.....	lb	10.00	: 12.00

## OLEORESINS

Aspidium, USP, 1 lb bot.....	lb	2.75	: 3.00
Capitum, USP, 5 lb bot.....	lb	2.50	: 2.75
Cubeb, USP, 1 lb bot.....	lb	4.75	: 5.00
Ginger, 5 lb bot.....	lb	3.00	: 3.10
Malefern, See Aspidium			
Orris, 1 lb bot.....	lb	...	: 18.00
Pepper, black, USP, 1 lb bot.....	lb	3.50	: 4.00
Vanilla, 1 lb bot.....	lb	9.50	: 10.00

## Aromatic Chemicals

## NATURAL DERIVATIVES

Anethol, 2 lb bot.....	lb	1.60	: 2.00
Borneol, 1 lb bot.....	lb	...	: 3.50
Citronellal, 1 lb bot.....	lb	2.00	: 2.25
CITRAL, 25 lb cans.....	lb	2.75	: 3.90
EUCALYPTOL, USP, 25 lb cans.....	lb	.75	: .80
Eugenol, USP, 25 lb cans.....	lb	2.85	: 3.25
Geraniol, Domestic, 50 lb cans....	lb	2.75	: 3.00
Imported, 5 lb bot.....	lb	3.50	: 4.25
Extra.....	lb	4.50	: 5.50
Iso-Eugenol, 1 lb bot.....	lb	4.25	: 5.00
Imported.....	lb	5.50	: 6.50
Linalool, 5 lb bot.....	lb	8.00	: 9.00
MENTHOL, 60 lb cases.....	lb	...	: 15.00
Less cases, 5 lb cans.....	lb	...	: 15.50
Rhodinol, 1 lb bot.....	lb	15.00	: 20.00
SAFROL, 60 lb cans.....	lb	.55	: .57
Thymol, USP, 25 lb tins.....	lb	3.10	: 3.25

## SYNTHETIC AROMATICS

Acetaldehyde, 50% sol pure, 5 lb bot..	lb	1.75	: 2.00
Acetophenone CP, 1 lb bot.....	lb	4.75	: 5.00
Aldehyde, C-8 (Octyl), 1 lb bot..	lb	45.00	: 60.00
Aldehyde, C-9 (Nonyl), 1 lb bot..	lb	70.00	: 75.00
Aldehyde, C-10 (Decyl), 1 lb bot..	lb	50.00	: 58.00
Aldehyde, C-12 (Dodecyl), 1 lb bot..	lb	27.50	: 32.50
Aldehyde, C-14, 1 lb bot.....	lb	22.50	: 25.00
Aldehyde, C-16, 1 lb bot.....	lb	70.00	: 80.00
Aubepine, see Anisic Aldehyde			
Amyl Acetate, pure, 5 gal can.....	gal	7.00	: 8.00
Amyl Butyrate, 1 lb bot.....	lb	2.00	: 2.10
Amyl Formate, 1 lb bot.....	lb	2.25	: 3.00
Amyl Phenyl Acetate, 1 lb bot..	lb	8.50	: 9.00
AMYL SALICYLATE, dom. 100 lb chys. ....	lb	1.75	: 1.85
Imported.....	lb	2.25	: 2.50
Amyl Valerate, 5 lb bot.....	lb	4.75	: 5.00
Anisic Aldehyde, 1 lb bot.....	lb	3.75	: 4.50
BENZALDEHYDE, USP, 40 lb chys..	lb	1.50	: 1.60
FFC, 40 lb chys.....	lb	1.75	: 1.85
Benzole Ether, See Ethyl Benzole			
Benzophenone, 1 lb bot.....	lb	6.75	: 7.00
Benzyl Acetate, 100 lb chys.....	lb	1.55	: 1.75
Benzyl Formate, 1 lb bot.....	lb	4.00	: 4.25

# Essential Oils

and

## Aromatic Chemicals

for

PERFUMES, SOAPS,

FLAVORING  
EXTRACTS

Morana Incorporated

Importers and Manufacturers

GENERAL OFFICES:

118 East 27th St., New York City

CHICAGO:  
19 S. LA SALLE ST.

WORKS:  
ELIZABETH, N. J.

# OILS

# ESSENTIAL

# OILS

AND

## Aromatic Chemicals

Manufacturers  
Importers  
Exporters

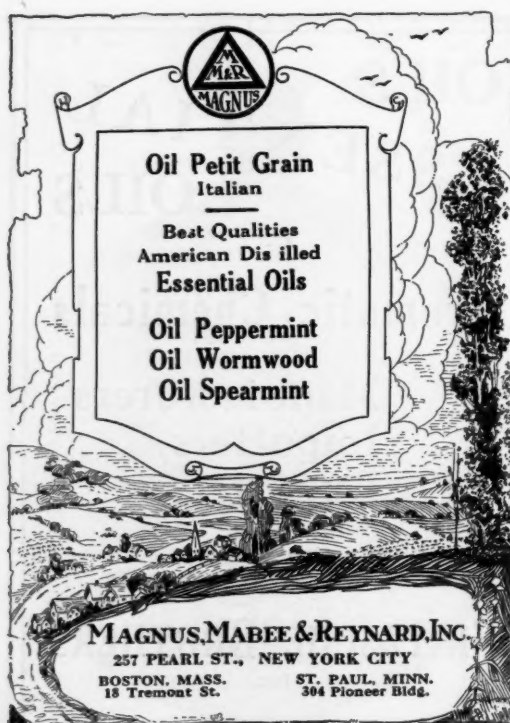
Correspondence Solicited


FRITZSCHE BROTHERS  
Inc.

NEW YORK

## Aromatic Chemicals

Benzyl Alcohol, 5 lb bot.....lb	1.80	: 1.70	Iso-Butyl Benzoate, 5 lb bot.....lb	4.75	: 5.00	Skatol, 1 oz. bot.....oz	9.25	: 10.00
BENZYL BENZOATE, 5 lb bot.....lb	1.60	: 1.75	Iso-Safrol, 1 lb bot. imported.....lb	5.25	: 5.50	TERPINEOL, CP, 1000 lb drums.....lb	.54	: .55
Medicinal FFC.....lb	1.75	: 2.00	Domestic, 5 lb bot.....lb	4.00	: 4.25	Cans 50 lb.....lb	.58	: .60
Benzyl Butyrate, C.P., 1 lb bot.....lb	6.50	: 7.00	Linyl Acetate, 1 lb bot. Dom.....lb	7.00	: 10.00	Imported, 25 lb cans.....lb	.95	: 1.20
Benzyl Cinnamate, 1 lb bot.....lb	10.00	: 10.50	Imp., 1 lb bot.....lb	8.50	: 10.00	Terpinyl Acetate, 25 lb cans.....lb	1.65	: 1.85
Benzyl Formate, 1 lb bot.....lb	3.00	: 3.25	Linyl Benzoate, 1 lb bot.....lb	13.00	: 14.00	VANILLIN, USP, 400 oz. cans.....oz	.40	: .40 1/2
Benzyl Propionate, 1 lb bot.....lb	5.00	: 5.25	Linyl Formate, 5 lb bot.....lb	10.00	: 12.00	Cans, 16 oz., 80 oz.....oz	.40 1/2	: .41 1/2
Benzyl Acetate, 1 lb bot.....lb	2.25	: 3.00	METHYL ANTHRANILATE dom.,			Valerianic Ether, See Ethyl Valerate		
Bromostrol, 25 lb kegs.....lb	4.00	: 4.25	1 lb bot.....lb	3.50	: 4.00	Yara Yara, 1 lb cans.....lb	1.75	: 2.00
c-tyric Ether, See Ethyl Butyrate			Imported.....lb	4.50	: 5.00			
Cinnamic Acid, 5 lb cans.....lb	3.00	: 3.25	Methyl Benzoate, 5 lb bot. import.....lb	2.00	: 2.25			
Cinnamic Alcohol, liquid 1 lb bot.....lb	10.00	: 14.00	Domestic, 5 lb bot.....lb	1.75	: 2.00	PERFUMERS' SUNDRIES		
Crystallizable.....lb	12.00	: 16.00	Methyl Cinnamate, 1 lb bot.....lb	3.75	: 4.00	Almond Meal, 25 lb cans.....lb	.28	: .30
Cinnamic Aldehyde, 1 lb bot.....lb	3.20	: 3.50	Methyl Heptenone, 1 lb bot.....lb	8.00	: 8.25	Ambergris, black, bxs.....oz	...	: 8.00
CITRONELLOL, 1 lb bot.....lb	7.00	: 12.00	Methyl Heptene Carbonate, 1 lb bot.....lb	50.00	: 70.00	Ambergris, gray, bxs.....oz	...	: 98.00
Citronellyl Acetate, 1 lb bot.....lb	13.00	: 13.00	Methyl Paracresol, 1 lb bot.....lb	8.00	: 9.00	Balsam Copaiba, Para, 80 lb cases.....lb	.23	: .24
COUMARIN, 25 lb cans.....lb	4.50	: 4.65	Methyl Phenylacetate, 1 lb bot.....lb	6.25	: 6.50	South American, 80 lb cases.....lb	.28	: .29
DIETHYL PHTHALATE, 25 lb cans.....lb	.55	: .65	Methyl Phenylacetate, 5 lb bot.....lb	6.00	: 6.50	Balsam Peru, 120 lb cases.....lb	1.75	: 1.80
1000 lb drs.....lb	.45	: .50	METHYL SALICYLATE, USP 500 lb			Balsam Tolu, 90 lb cases.....lb	2.25	: 2.35
Diphenyloxide, 25 lb tins.....lb	.85	: .90	drums.....lb	...	: .45	Benzoin Gum, Siam, bxs.....lb	1.15	: 1.20
Ethyl Acetate, pure, 5 lb bot.....lb	.45	: .50	50 lb cases.....lb	...	: .47	Castoreum, 1 lb bot.....lb	4.00	: 4.50
Ethyl Benzoate, 5 lb bot.....lb	1.85	: 2.00	Second Hands.....lb	.43	: .45	Chalk, precip. light, 175 lb bbls.....lb	.04 1/2	: .05
Ethyl Butyrate, 5 lb bot.....lb	2.00	: 2.25	Mirbane, rect., 1000 lb drums.....lb	12 1/2	: 14	Cherry Laurel Water, 5 gal cans.....gal	1.15	: 1.25
Ethyl Caproate, 1 lb bot.....lb	3.25	: 3.50	Musk Ambrette, 1 lb cans.....lb	12.50	: 13.00	Civet Abyssin, horns.....oz	2.75	: 3.75
Ethyl Cinnamate, 1 lb bot.....lb	3.75	: 4.00	Musk Ketone, 1 lb cans.....lb	...	: 14.00	Ladnamum, 5 lb bot.....lb	...	: 8.00
Ethyl Formate, 5 lb bot.....lb	2.00	: 2.10	Musk Xylene, 5 lb cans.....lb	3.50	: 3.75	Lanolin hydrous, 350 lb bbls.....lb	.21	: .22
Ethyl-methyl Paracresol, 1 lb bot.....lb	3.25	: 3.50	Nerolin, 1 lb cans.....lb	1.65	: 2.00	Anhydrous, 350 lb bbls.....lb	.23	: .24
Ethyl Propionate, 1 lb bot.....lb	2.25	: 2.50	Oenanthalic Ether, 100%, 1 lb bot.....lb	2.25	: 3.00	Musk pods, Cabardine, tins.....oz	16.00	: 17.00
Ethyl Valerate, 5 lb bot.....lb	4.50	: 4.75	Oenanthalic Ether, 5 lb bot.....lb	1.25	: 1.50	Tonguin, tins.....oz	22.00	: 25.00
Ethyl Salicylate, 5 lb bot.....lb	3.25	: 3.50	Phenylacetalddehyde, Dom.,			Grains, Cabardine, tins.....oz	25.00	: 26.00
Formic Ether, See Ethyl Formate			1 lb bot.....lb	8.00	: 10.00	Tonoulin, tins.....oz	35.00	: 38.00
Geranyl Acetate, 1 lb bot.....lb	4.25	: 4.75	Imported.....lb	12.00	: 14.00	Synthetic, See Aromatic Chemicals		
Geranyl Butyrate, 1 lb bot.....lb	13.00	: 13.50	Phenylacetic Acid, 1 lb bot.....lb	3.00	: 3.25	Orris Rt. Flor., powd. bbls.....lb	.09	: .11
Geranyl Formate, 1 lb bot.....lb	12.00	: 12.50	Phenyl Diacetate, 1 oz. bot.....oz	3.25	: 3.50	Verona, bbls.....lb	.08	: .09
Hydroxycitronellal, 1 lb bot.....lb	11.00	: 12.00	Phenyl propyl Alcohol, 1 lb bot.....lb	13.00	: 14.00	Petrolatum, snow white, 350 lb bbls.....lb	.12 1/2	: .13
Heliotropin, dom., 10 lb bot.....lb	2.00	: 2.25	PHENYLETHYLALCOHOL dom.,			Light Amber, 350 lb bbls.....lb	.04 1/2	: .05
Imported.....lb	2.50	: 2.75	1 lb bot.....lb	6.75	: 8.75	Rice Starch, 140 lb bgs.....lb	.09	: .10
Indol, CP, 1 oz. bot.....oz	6.00	: 6.50	Imported.....lb	7.75	: 9.75	Rose Water, 5 gal chys.....gal	.90	: 1.10
Ionone, 1 lb bot.....lb	5.00	: 9.00	Phenylethyl Butyrate, 1 lb bot.....lb	25.00	: 26.00	Santalwood chips, powd., bags.....lb	.30	: .35
Alpha.....lb	10.00	: 12.00	Phenylethyl Formate, 1 lb bot.....lb	18.00	: 19.00	Saponin, 5 lb tins.....lb	1.25	: 1.50
Beta.....lb	9.00	: 11.00	Phenylethyl Propionate, 1 lb bot.....lb	19.00	: 20.00	Tale Italian, 220 lb bgs.....ton	42.00	: 55.00
Methyl.....lb	12.50	: 15.00	Phenylethyl Valerate, 1 lb bot.....lb	22.50	: 26.00	Tale French, 220 lb bags.....ton	32.00	: 45.00
			Phenylpropylalcohol, 1 lb bot.....lb	15.00	: 16.00	Tale, domestic ref., 100 lb bags.....ton	20.00	: 30.00



  
**Oil Petit Grain Italian**  
 Best Qualities  
 American Distilled  
 Essential Oils  
**Oil Peppermint**  
**Oil Wormwood**  
**Oil Spearmint**

**MAGNUS, MABEY & REYNARD, INC.**  
 257 PEARL ST., NEW YORK CITY  
 BOSTON, MASS. ST. PAUL, MINN.  
 18 Tremont St. 394 Pioneer Bldg.

**Headquarters**  
 for  
**Oil of Lavender**

*We offer three qualities of unusual Odor Value and at prices unobtainable elsewhere*

**LAVENDER RICHE**  
 45/50% NAT. ESTER  
**LAVENDER FLEURS**  
 35/40% NAT. ESTER  
**LAVENDER FORTE**  
 26/32% NAT. ESTER

*Samples and Prices on request*

**BELGIAN TRADING COMPANY, Inc.**  
 44 Whitehall St., New York

Chicago Office: Clarence Morgan & Co. 355 West Ontario St.  
 Philadelphia Office: D. W. Stewart 2205 Walnut Street

# Imports of Chemicals, Dyestuffs, Drugs, etc.

Imports at New York Oct. 13 to Oct. 20

**ACIDS**—Citric, 580 cks., Order, Rotterdam; Oxalic, 30 bbls., R. W. Greeff & Co., Rotterdam; Stearic, 3 cs., Hummel & Robinson, Rotterdam; Tartaric, 219 cks., Order, Rotterdam  
**ALBUMEN**—34 cs., T. M. Duche & Co., Hankow; 84 cs., A. Klipstein & Co., Hankow; 75 cs., P. Segaller, Tientsin  
**ALCOHOL**—Butyl, 94 cks., Comm'l Solvents Corp., Bordeaux; Denatured, 60 drs., 65 bbls., C. Esteve, Arecibo  
**ALOE**s—188 cs., Selma Merc. Corp., Curacao; 60 cs., Suzarte & Whitney, Curacao; 40 cs., Selma Merc. Corp., Curacao  
**AMMONIUM**—Muriate, 100 cks., C. de P. Field Co., Bristol  
**ARGOLS**—434 bgs., Anglo So. Amer. Bk., Buenos Aires; Crude, 311 bgs., C. Pfizer & Co., Rotterdam  
**ARSENIC**—167 cs., Frazer & Co., Vancouver, B. C.; 10 cs., Suzuki & Co., Kobe; 50 cks., Roessler & Hasslacher Chem. Co., Antwerp; White Powder, 137 cs., G. F. Taylor & Co., Vancouver, B. C.  
**BALSAM**—17 cs., Order, Para  
**BARIUM**—Chloride, 52 cks., Amer. Exp. Co., Antwerp; 52 cks., E. M. Sergeant & Co., Antwerp  
**BAY RUM**—17 cs., Mahmac Fwdg. Co., St. Thomas; 10 cs., L. A. Yordan, Ponce  
**BERRIES**—Cube, 86 bgs., Winter Ross & Co., Batavia  
**CAMPHOR**—100 cs., A. Ochse Co., Hamburg; 45 bbls., Order, Hamburg; 10 cs., Victor & Hosken, Canton; 100 cs., Eastman Kodak Co., Shanghai; 20 cs., Wah Chang Tdg. Co., Shanghai; 200 cs., Dodwell & Co., Shanghai; 200 cs., Hetherman & Co., Shanghai; 50 cs., Importers Commission Co., Shanghai  
**CASEIN**—750 bgs., Kalbfleisch Corp., Buenos

Aires; 220 bgs., E. B. Mums, St. Nazaire; 1,368 bxs., Order, Buenos Aires  
**COLORS**—9 cks., Bernard Judac & Co., Hamburg; 2 cks., Textile Alliance, Inc., Rotterdam; 89 cks., 2 drs., 16 cs., 4 pkgs., Order, Bombay; 1 cse., Order, Hamburg; 9 cks., Franklin Imp. & Exp. Co., Hamburg; 11 pgs., A. Hurst & Co., Hamburg; 2 cks., Amer. Exch. Nat. Bk., Genoa; 3 cks., Irving Bk.-Columbia Trust Co., Genoa; 20 cks., 1 cse., Order, Genoa; 1 cse., S. Blumenthal Co., Havre; 6 cs., B. F. Drakenfeld & Co., Havre; 14 cks., Ciba Co., Havre; 51 cks., Sandoz Chem. Wks., Havre; 1 drum, Irving Bk., Havre; 2 cks., Penrich & Co., Havre; 36 cks., Ciba Co., Havre; 9 cks., Order, Havre; Alizarine, 7 cks., Kuttroff Pickhardt & Co., Hamburg; Bronze Powder, 20 cs., Gerstendorfer Bros., Bremerhaven; 16 cs., L. Uhlfelder & Co., Hamburg; Tar, 5 cks., Irving Bk.-Columbia Trust Co., Hamburg; Coal Tar Preparations, 2 cks., 2 cs., Franklin Imp. & Exp. Co., Hamburg; Ultramarine Blue, 10 cks., J. Campbell, Antwerp; 30 bbls., Order, Antwerp  
**CREOSOTE**—2,211 tons, 8 cwt., 1 lb. in bulk, Order, Antwerp; 2,002 tons, 17 cwt., in bulk, Order, Sunderland; Coal Tar, 39 drs., Order, Hull  
**CYANIDE PRECIPITATES**—22 cs., So. Amer. Development Co., Guayaquil  
**DEXTRINE**—Potato, 25 bgs., Stein Hall & Co., Rotterdam  
**DIVI DIVI**—1,300 bgs., Selma Merc. Corp., Curacao  
**ERGOT**—30 bgs., Order, Rotterdam  
**EPSOM SALTS**—500 bgs., E. Suter & Co., Bremen  
**EXTRACTS**—Logwood, 190 cks., West India Chem. Wks., Kingston; Quebracho, 4,100 bgs., Fourth Nat. Bk., Boston, Buenos Aires; 1,004 bgs., Irving Bk.-Columbia Trust

Co., Buenos Aires; 2,026 bxs., Bk. of N. Y. & Trust Co., Buenos Aires; 2,967 bgs., Order, Buenos Aires; 8,110 bgs., Tannin Corp., Buenos Aires; 14,123 bgs., Tannin Corp., Buenos Aires; 1,600 bgs., Fourth Atlantic Nat. Bk., Buenos Aires; 1,000 bgs., First Nat. Bk. Boston, Buenos Aires  
**FLOWERS**—3 cs., Banque Belge Pour l'Etranger, Antwerp; Chamomile, 3 bbls., A. Chiris & Co., Antwerp  
**FULLER'S EARTH**—250 bgs., L. A. Salomon & Bros., Bristol; 400 bgs., R. J. Waddell & Co., Hull  
**GELATIN**—100 bbls., Amer. Exp. Co., Antwerp; 200 bgs., Order, Bremerhaven; 174 bbls., 5 kgs., H. A. Sinclair, Rotterdam; 17 cks., Mech. & Metals Nat. Bk., Hamburg  
**GLAUBER SALT**—440 cks., Ellis Jackson & Co., Hamburg; 250 cks., 500 sks., E. Suter Co., Hamburg  
**GUMS**—333 bgs., Order, Bombay; Asafoetida, 54 cs., Order, Bombay; Copal, 205 bgs., W. Schall & Co., Antwerp; 776 bgs., Order, Antwerp; 235 bgs., Order, Antwerp; 800 bbls., Innes & Co., Macassar; 366 bbls., France Campbell & Darling, Macassar; 371 bbls., L. C. Gillespie & Son, Macassar; 283 bbls., Kidder Peabody & Co., Macassar; 129 bbls., Importers Commission Co., Macassar; 513 bbls., Order, Macassar; Damar, 50 cs., Canadian Bk. of Commerce, Batavia; 100 cs., Catz Amer. Co., Batavia; 100 cs., W. H. Muller & Co., Batavia; Karaya, 468 bgs., Order, Bombay; Tragacanth, 102 bgs., 25 cs., Goschens & Cunliffe, Bombay; 11 cs., Persian Produce Co., Bombay; 186 bgs., 18 cs., Order, Bombay  
**GUM RESIN SOLUTION**—45 bbls., Franklin Imp. & Exp. Co., Hamburg  
**HARTSHORN SALT**—45 cks., Kuttroff Pickhardt & Co., Hamburg  
**HELIOTROPIN**—3 cs., Order, Hamburg

## GERANIOL

Di Ethyl Phthalate  
 Phenyl Acetic Acid  
 Cinnamic Acid  
 Neroline—Yara Yara  
 Caramel—Sugar Color  
 Terpeneless Essential  
 Oils

**THE FRIES & FRIES Co.**

1501-13 W. 6th St.  
 Cincinnati, O.

242 Pearl St.  
 New York

## Cresylic Acids

ALL GRADES

CRESOL U. S. P.  
 META CRESOL PURE  
 PARA CRESOL PURE  
 ORTHO CRESOL PURE  
 ACROSYL  
 (SAPONIFIED CRESOL)

SPOT AND FOR IMPORT

Manufactured at our Ruabon, N. Wales Works

**Monsanto Chemical Works**

St. Louis, U.S.A.

NEW YORK

CHICAGO

**IRON OXIDE**—77 cks., L. H. Butcher & Co., Liverpool; 4 cks., C. B. Chrystal & Co., Liverpool

**LEAVES**—31 bgs., Nichols Rowland Co., Marseilles; Arabatus, 360 bgs., Order, Alicante; Patchouli, 38 bls., Brown Bros. & Co., Singapore; 96 bls., Order, Singapore; 35 bls., D. L. Silverman, Singapore; Sage, 14 bgs., Order, Bordeaux

**LEECHES**—7 tubs, C. Tenneriello, Naples; 7 tubs, C. Jacobellis, Naples

**LITHOPONE**—100 cks., Reichard Coulston, Inc., Rotterdam; 750 cks., Brown & Roese, Rotterdam; 40 cks., Benjamin Moore & Co., Rotterdam; 220 cks., E. M. & F. Waldo, Antwerp

**LYCOPodium**—22 cs., Order, Hamburg

**MENTHOL**—5 cs., East River Nat. Bk., Southampton; 50 cs., S. W. Bridges & Co., Kobe; 10 cs., I. Nonomiyama, Kobe

**MINERAL WHITE**—1,200 bgs., Hammill & Gillespie, Hull; 300 bgs., C. B. Chrystal & Co., Hull; 200 bgs., Whittaker Clark & Daniels, Hull

**MYROBALANS**—11,693 pkts., Nat. City Bk., Calcutta; 266 bgs., Hammond & Carpenter Corp., Bombay; 11,895 bgs., Order, Bombay; 2,000 pkts., Order, Calcutta

**NAPHTHALENE**—1,865 bgs., Order, Antwerp; 78 bbls., E. M. Sergeant & Co., Glasgow

**NICKEL-Sulfate**, 54 cks., Order, Swansea

**NUX VOMICA**—Pickings, 160 bgs., Volkart Bros., Cocanada

**OILS**—Cod, 150 cks., Franklin Agencies, St. Johns, N. F.; 100 cks., Nat. Oil Prod. Co., St. Johns, N. F.; 100 cks., Order, St. Johns, N. F.; 50 cks., Cook & Swann, St. Johns, N. F.; 200 cks., Nat. Oil Prod. Co., St. Johns, N. F.; Codliver, 50 cs., R. G. Seel, Christiania; 150 bbls., Order, Christiania; 10 cks., Mead Johnson & Co., St. Johns, N. F.; Haarlem, 2 cs., Lehn & Fink, Rotterdam; Linseed, 356 bbls., Nairn Lino Co., Hull; Olive, 100 cs., B. Bendin, Inc., Genoa; 150 cs., Yohalem & Diamond, Genoa; 75 cs., J. Petrocelli & Co., Genoa; 110 cs., A. Luccaro & Co., Genoa; 3,907 cs., Order, Genoa; Palm, 340 cks., African & Eastern

Trdg. Co., Hamburg; 160 cks., Order, Hamburg; 26 bbls., Order, Liverpool; Kernel, 400 bbls., Order, Hull; Rape, 450 bbls., Balfour Williamson & Co., Hull; 150 bbls., Bk. of Amer. Hull; 570 bbls., Order, Hull; Rosewood, 2 drs., Middleton & Co., St. Laurent; 6 drs., Order, St. Laurent; Sesame, 200 bbls., Bk. of Amer., Rotterdam; Wood, 260 tons, Balfour Williamson & Co., Hankow; 304 cks., G. W. S. Patterson, Hankow; 300 bbls., Suzuki & Co., Hankow; 300 bbls., Mitsui & Co., Hankow

**OILS, ESSENTIAL**—3 cs., 1 drum, Polaks Fruit Wks., Rotterdam; 9 cs., J. W. Lyon & Co., Rotterdam; 1 drum, Richon & Mielin, Bordeaux; 3 cs., Order, Hamburg; Angelica, 1 cse., Dodge & Olcott Co., Rotterdam; Anise, 16 drs., Dodge & Olcott, Hongkong; Cajuput, 50 cs., Ungerer & Co., Macassar; 100 cs., R. A. Kurka, Macassar; 50 cs., Gravenhurst & Co., Macassar; Camphor, 100 drs., Dodge & Olcott, Kobe; Caraway, 1 cse., A. A. Stilwell & Co., Rotterdam; Cassia, 10 drs., I. R. Body & Co., Hongkong; Citronella, 16 drs., Bk. of Amer., Colombo; 19 drs., Order, Colombo; Colza, 30 cks., Cook & Swann Co., Havre; 5 cks., Zinkersen & Co., Havre; Fennel, 2 cs., Dodge & Olcott Co., Hamburg; Fusel, 21 drs., More & Waldstein, Antwerp; Lemon Grass, 3 drs., Order, Cochin; Lime, 2 cs., Huth Gillespie & Co., Dominica; Orange, 2 cs., Huth Gillespie & Co., Dominica; Petit Grain, 13 cs., Nat. Bk. of Commerce, Buenos Aires

**OXIDE**—Red, 105 cks., J. L. Smith, Hull

**PARAPHENYLENE DIAMINE**—11 cs., Franklin Imp. & Exp. Co., Hamburg

**PHOSPHATE**—1,250 bgs., Order, Antwerp

**PLUMBAGO**—154 bbls., Brown Bros. & Co., Colombo; 100 bbls., N. Y. Trust Co., Colombo; 150 bbls., N. Y. Trust Co., Colombo; 629 bbls., Order, Colombo

**POTASSIUM SALTS**—Carbonate, 28 cks., P. H. Petrv & Co., Bremen; Caustic, 75 drs., Peters White & Co., Hamburg; Chlorate, 1,000 bbls., Irving Bk., Hamburg; Muriate, 13,290 bgs., Societe Comm. Des Potasses D'Alsace, Antwerp; Nitrate, 226 cks., Order,

Hamburg; Perchlorate, 113 bbls., Order, Swansea; Permanganate, 1 drum, Order, Liverpool; Prussiate, 15 cks., Innis Speiden & Co., Hamburg; Ferricyanide, 40 bbls., E. Suter & Co., Hamburg

**QUICKSILVER**—50 flasks, Order, Alicante; 312 flasks, Order, Genoa

**QUININE**—6 cs., R. W. Greeff & Co., Rotterdam; 50 cs., McKesson & Robbins, Rotterdam; 54 cs., F. B. Vandegrift & Co., Rotterdam

**ROCHELLE SALTS**—165 cks., Order, Rotterdam

**ROOTS**—Canagria, 39 bgs., F. B. Vandegrift & Co., Tampico; 147 bgs., Order, Tampico; Ipecac, 47 bls., Gaston & Co., Montevideo; Jalap, 7 bgs., H. Triest & Co., Tampico; Sarsaparilla, 20 bls., J. E. Kerr & Co., Kingston; Valerian, 20 bls., A. Chiris & Co., Antwerp

**SAFFRON**—3 cs., Banque Belge Pour l'Et-ranger, Alicante; 1 cse., Order, Alicante

**SAFROL**—1 drum, Order, Hamburg

**SEED**—150 sks., Order, Antwerp; 50 bgs., A. Stallman & Co., Hamburg; 38 bgs., S. D. Woodruff & Sons, Rotterdam; 214 bgs., W. Van Doorn, Rotterdam; 350 bgs., Baldwin Univ. Co., Hamburg; Annatto, 1 pkt., Order, Ponce; 18 bgs., J. E. Kerr & Co., Kingston; 1 bkg., Amer. Exch. Nat. Bk., Cocanada; 100 bgs., Order, Batavia; Caraway, 109 bls., Standard Bk. of So. Africa, Rotterdam; 100 bgs., Spencer, Rotterdam; 100 bgs., C. E. Armstrong, Rotterdam; 75 bgs., Catz Amer. Co., Rotterdam; 300 bgs., Levy & Lewis Co., Rotterdam; Cardamom, 12 cs., C. L. Huisking, Inc., Central Amer. Ports; 13 cs., Order, Colombo; Castor, 17,111 bgs., Volkart Bros., Bombay; 2,716 bgs., Order, Bombay; 5,464 bgs., Volkart Bros., Cocanada; 1,402 bgs., L. Dreyfus & Co., Cocanada; Cumini, 100 bgs., Bk. of the Manhattan Co., Bombay; 300 bgs., Bk. of Amer., Bombay; 165 bgs., Internl. Bkg. Corp., Bombay; 904 bgs., Order, Bombay; 90 bgs., Order, London; Flax, 51,012 bgs., 2,345,087 kilos in bulk, Order, Rosario; 24,673 bgs., Order, Buenos Aires; Mustard, 100 bgs., J. Wertheimer & Sons, Rotterdam; 111

SELLING AGENTS FOR  
VICTOR BLAGDEN & CO., LTD., LONDON

Potassium Carbonate  
96/98%

Caustic Potash  
88/92%

Prussiate of Soda  
PRIME CRYSTALS  
and  
Other Industrial Chemicals

Henry W. Peabody & Co.  
17 STATE ST. NEW YORK

EXPORTERS IMPORTERS

## CLARENCE MORGAN & COMPANY

Essential Oils  
Stearic Acids  
Italian Talcs  
Benzoic Acid  
Cream of Tartar  
Gum Tragacanth  
Vanilla Beans

French Vials  
Formaldehyde  
Benzoate of Soda  
Tartaric Acid  
Gum Arabic  
Gum Karaya  
Nutmalls

Industrial Chemicals of all kinds.

WIRE—WRITE or PHONE for our quotations

355 W. ONTARIO ST.

**CHICAGO**  
SUPERIOR 8870

bgs., Order, Hamburg; **White**, 100 bgs., Knickerbocker Mills Co., Rotterdam; 100 bgs., Wertheimer, Rotterdam; **Poppy**, 200 bgs., J. D. Nordlinger, Rotterdam; 100 bgs., 200 bls., French Kremer Co., Rotterdam; 300 bls., Sakol Co., Rotterdam; 200 bgs., E. L. Prior & Co., Rotterdam; 100 bgs., F. H. Leggett & Co., Rotterdam; 200 bgs., C. E. Armstrong, Rotterdam; 100 bgs., B. Golding, Rotterdam; 300 bgs., 600 bls., W. Van Doorn, Rotterdam; 600 bgs., Order, Rotterdam; **Rape**, 280 bls., Karr Ellis & Co., Rotterdam; 150 bgs., Amer. Exp. Co., Rotterdam.  
**SHELLAC**—3,706 bgs., Order, Calcutta; 50 bgs., London & Braz. Bk., Calcutta; 100 bgs., Brit. Bk. of S. A., Calcutta; 350 bgs., Brown Bros. & Co., Calcutta; 300 bgs.,

First Nat. Bk. Boston, Calcutta; **Garnet Lac**, 65 bgs., Irving Bk., Hamburg; 40 bgs., Kasebier Chatfield Shellac Co., Hamburg; 250 bgs., First Nat. Bk. Boston, Calcutta; 150 bgs., Brown Bros. & Co., Calcutta; **Refuse**, 100 bgs., Bank of Manhattan, Calcutta; 116 bgs., Order, Calcutta; **Seedlac**, 361 bgs., Order, Calcutta; **Stick Lac**, 74 bgs., N. Y. Trust Co., Havre  
**SILVER—Sulfide**, 4 cs., Goldsmith & Co., So. Pac. Ports  
**SODIUM SALTS—Nitrate**, 50 cks., Order, Hamburg; 11,144 bgs., du Pont de Nemours Co., Taltal; **Prussiate**, 23 cs., Order, Liverpool; **Sulfite**, 120 drs., R. F. Downing & Co., Bristol; 233 drs., C. S. Grant & Co., Hamburg

**STRONTIUM—Nitrate**, 40 bbls., Phillip Bauer & Co., Hamburg  
**TALC**—300 bgs., L. A. Salomon & Bro., Genoa; 1,800 bgs., Ital. Discount & Trust Co., Genoa; 300 bgs., C. Mathieu, Genoa  
**TARTAR**—182 bgs., C. Pfizer & Co., Alicante; 630 bgs., Tartar Chem. Wks., Genoa  
**THEOBROMINE**—5 cs., Amer. Bluefriesveem, Inc., Rotterdam  
**THYMOL—Crystals**, 6 cs., Order, Hamburg  
**UMBER**—65 cks., L. H. Butcher & Co., Hull  
**WAX**—9 bgs., Heilbronn Wolff & Co., So. Pac. Ports; 99 bgs., Order, Antwerp  
**ZINC—Oxide**, 54 cks., L. H. Butcher & Co., Liverpool; **White**, 20 cks., G. Euler & Co., Havre

Officers of the Chemical Section, National Safety Council, were elected as follows at the Safety Congress, Buffalo, N. Y., on Oct. 5: Chairman, A. L. Watson, Hooker Electrochemical Co., Niagara Falls, N. Y.; vice-chairman, M. F. Crass, Grasselli Chemical Co., Cleveland, O.; secretary, I. D. McNaul, DuPont Fibre Silk Co., Buffalo.

C. W. Hill Chemical Co., Los Angeles, Cal., has changed its name to Los Angeles Chemical Co. No change has occurred in personnel. A. P. Hill is president, J. J. Haprov, vice president, H. N. Cory, secretary, and G. A. Nicholson, treasurer.

Several plants in Hudson and Bergen counties, N. J., have closed down, owing to shortage of water, but General Chemical Co., Maywood Chemical Co., and Corn Products Refining Co. are still operating.

Chemicals of Cyaco Chemical Co., damaged Oct. 16 at Kirwin Bros. storage warehouse, 32 Stone st., New York, were insured for \$6,500.

Two machines for the manufacture of liquid hydrogen have been installed in the University of California, Berkeley, at a cost of \$10,000. There are only five of these machines in the world and one other in the United States, at the Bureau of Standards, Washington, D. C.

Canadian production of asbestos for the first six months of 1923 is officially reported to be 1,482,102 tons of which 1,297,243 tons were milled. Sales totaled 99,042 tons valued at \$3,574,762 against 56,846 tons valued at \$1,894,232 in 1922.

Frank Bornn, president of Bornn Distilling Co., New York, importers of bay rum, recently purchased the property of Francis D. Jackson at Plandome, L. I. for \$65,000.

H. G. Park has opened offices at 785 Market st., San Francisco, to deal in chemicals.

M. Demattia, Chemicals, New York, has changed the name to Sherlow Chemicals Co.

Blue Ridge Park Mica Co. will locate in Winston-Salem, N. C.

## W. F. GEORGE CHEMICALS, INC.

General Offices:

42 Broadway, New York City

Telephone Broad 5428

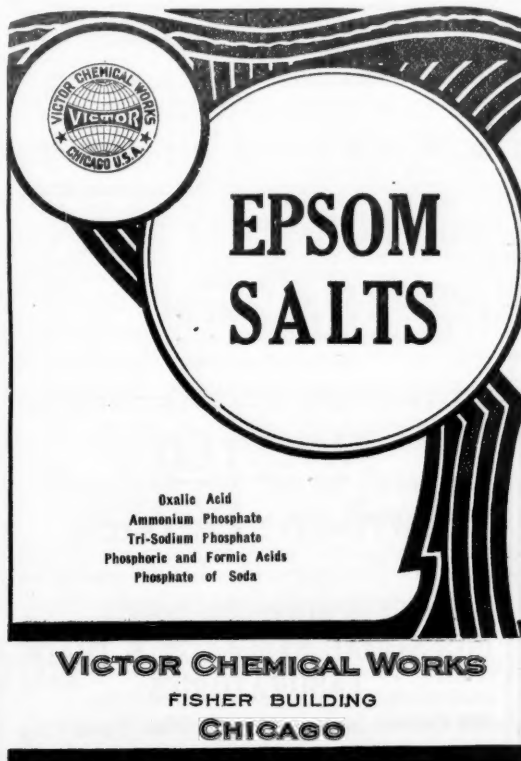
**Soda Ash**  
**Caustic Soda**  
**Sodium Bicarbonate**  
**Glauber's Salt**  
**Sal Soda**  
**Sodium Silicate**

### WAREHOUSES:

New York, N. Y.  
Brooklyn, N. Y.

Syracuse, N. Y.  
Utica, N. Y.

Albany, N. Y.  
Newark, N. J.



**EPSOM  
SALTS**

Oxalic Acid  
Ammonium Phosphate  
Tri-Sodium Phosphate  
Phosphoric and Formic Acids  
Phosphate of Soda

**VICTOR CHEMICAL WORKS**  
FISHER BUILDING  
CHICAGO

# Wants & Offers

Rate—All classifications, \$1.00 an issue for 20 words or less, additional words, 5c each, per issue.

Payment—Must accompany order, add 10c if replies are to be forwarded.

Address "Wants & Offers"  
**DRUG & CHEMICAL MARKETS**  
 3 Park Place, New York.

## BUSINESS OPPORTUNITIES

**SELLING AGENCY** and Importing House established seven years handling fine drugs and chemicals wishes to increase its line. If you are not represented in New York we can help market your goods. Correspondence invited. Box 471, **DRUG & CHEMICAL MARKETS**.

**PROFITABLE INVESTMENT**—A going concern making fine chemicals requires \$10,000 additional capital to enlarge line. Will bear closest investigation of dividend records and management. Box 477, **DRUG & CHEMICAL MARKETS**.

**SMALL CHEMICAL PLANT** on railroad within twenty miles of New York wanted. Box 446, **DRUG & CHEMICAL MARKETS**.

**SELLING AGENTS** desiring to get in touch with manufacturers and manufacturers desiring to get in touch with selling agents—try a want ad on these pages. **DRUG & CHEMICAL MARKETS** is read all over the world.

**SOUTH AMERICAN TRADE**—American salesman who has had thorough experience in pharmaceutical, proprietary and toilet goods lines in various Central and South American countries will sail for Rio next month for an extended business trip to all leading cities of Brazil, Argentina and Chili, and will carry on straight commission basis high grade non-competing goods in these fields. This is an opportunity to secure more than ordinary sales service in the rich South American export field. Box 483, **DRUG & CHEMICAL MARKETS**.

**PARTNER**—Soap Manufacturer in New York City with a complete equipment plant seeks partnership with capital to invest. A big opportunity for a man interested in the soap manufacturing line. Box 459, **DRUG & CHEMICAL MARKETS**.

**CHEMICAL MANUFACTURER** producing in own plant, which is owned free and clear several medicinal chemical specialties, will make goods for another firm or enter into partnership with firm without adequate plant facilities. Additional work for well equipped plant is sought; reasonable sum of additional capital available to develop business. Box 468, **DRUG & CHEMICAL MARKETS**.

**AGENCIES WANTED**—Local distributor of industrial chemicals will add two or three more manufacturers products to his list. Have established trade in New England and trained salesmen calling on trade. Box 481, **DRUG & CHEMICAL MARKETS**.

## BUSINESS OPPORTUNITIES

**ARTISTS FOR MANUFACTURERS**—Clever layouts, snappy designs, photo retouching for advertisements, booklets, catalogues. **JACOB STEIN STUDIO**, 432 Fourth Ave., N. Y. C.

**WANT TO BUY** a going chemical specialty or proprietary manufacturing business. No brokers, full particulars in confidence. Box 449, **DRUG & CHEMICAL MARKETS**.

## SITUATIONS WANTED

### CHEMICAL SALES MANAGER

Experienced, reliable, resourceful, with a proven record as a producer of business and manager of men will be open for a new connection January 1st. Box 476, **DRUG & CHEMICAL MARKETS**.

**CHEMICAL ENGINEER**—Graduate of M. I. T. with nine years practical experience seeks a position of responsibility with opportunities for advancement. Able to assume full charge of plant making coal-tar products. Box 479, **DRUG & CHEMICAL MARKETS**.

**PHARMACEUTICAL** detail man of wide acquaintance, good address and experience is open for engagement. Box 484, **DRUG & CHEMICAL MARKETS**.

**SECRETARY** who has for five years been active assistant to large executives in the chemical industry, is familiar with the names and able to take rapid chemical dictation, seeks a position where such training will be valuable. Box 444, **DRUG & CHEMICAL MARKETS**.

**CHEMIST**—Desires a position with a manufacturer or as assistant in a consulting, analytical and research laboratory. Has had ten years experience and holds degrees from American and German universities. Particularly well qualified in fertilizer, naval stores and vegetable oil work. Prefers to locate in the East or South. Box 440, **DRUG & CHEMICAL MARKETS**.

**SALESMAN**, has had several years experience with a large paint manufacturer and can show a consistent and successful sales record, is anxious to better his position and is open for an engagement as a branch or territory manager in this field. Thoroughly familiar with all details of administration and possesses exceptional ability to handle men effectively. At present employed and must give six week notice. Box 442, **DRUG & CHEMICAL MARKETS**.

## SITUATIONS WANTED

**CHEMIST**—Recent graduate Berlin University seeks position as chemist or assistant in or out of New York City, or vicinity. American references and credentials of higher character. Box 485, **DRUG & CHEMICAL MARKETS**.

**A MAN** who controls the job you want is most apt to be a regular reader of this column. For real positions in the chemical, drug, dye, oil and allied fields no medium brings better results than these Wants and Offers—5c a word.

**B. S. CHEMICAL ENGINEER**, 26, single, two years plant experience electrolytic Chlorine, one year sales same line; desires connection sales and technical service to consumers Alkali and Bleach. Box 473, **DRUG & CHEMICAL MARKETS**.

**COLLEGE GRADUATE** just finishing with three years work in chemistry desires a connection in the sales or executive office of established firm in chemical industry. Good address, not afraid of work, has done some selling during vacations. Box 436, **DRUG & CHEMICAL MARKETS**.

**SALES PROMOTION**—Let me help make your sales letters, price lists, and advertising copy more productive of results. I know the technical problems of chemical and dye selling, and have a successful record as an advertising adviser. Box 452, **DRUG & CHEMICAL MARKETS**.

**CHEMIST**—Ph.D. degree and 15 years practical industrial experience particularly in fertilizer field, now engaged, but desires to make new connection where sound technique, good judgment, and executive ability has an opportunity to assume responsibility. Box 457, **DRUG & CHEMICAL MARKETS**.

## HELP WANTED

**OIL IMPORTER** wants salesman with experience in soap and margarine industries to take charge of new department. Box 435, **DRUG & CHEMICAL MARKETS**.

**MANAGER** of Export Department wanted at once by a proprietary and toilet preparation house of highest standing. Familiarity with South and Central American conditions a prime requisite. Salary and share of department profits. Box 433, **DRUG & CHEMICAL MARKETS**.

## WANTED

### Carbon Dioxide

Need not be pure; quote price and give approximate composition.

### INDUSTRIAL RESEARCH & TRADE LABORATORIES

239 Center Street

New York City

## CONDENSOR TUBES

For Sale Cheap

5000—3" Hart Condenser Glass Tubes, 6'4" long, at a bargain.

Write for prices.

### Old Hickory Powder Plant

Jacksonville, Tennessee

**HELP WANTED**

**CHEMICAL ENGINEER**—An established chemical corporation requires the services of a high grade chemical engineer to take control of production in large plant in the Metropolitan district. Applications from thoroughly experienced men of proved competency only will be considered, and knowledge of industrial processes supported by forceful personality and executive ability is required. Salary commensurate. Box 478, DRUG & CHEMICAL MARKETS.

**SALESMAN**—Leading dye dealer wants an experienced man on salary and commission. Box 462, DRUG & CHEMICAL MARKETS.

**WANTED**—Salesman, experienced in aromatic chemical and synthetic flower oils field, to sell, for an established manufacturing concern, a well advertised line of very fine products. Opportunity to assume charge of sales department. Box 472, DRUG & CHEMICAL MARKETS.

**SHIPPING and ORDER CLERK** wanted to take charge of New York warehouse. Write fully on experience and salary. Box 480, DRUG & CHEMICAL MARKETS.

**NOT WANTED**—Order-takers; but we need two real salesmen with training in dye field, and are willing to pay well for men who can really develop business. Box 475, DRUG & CHEMICAL MARKETS.

**HELP WANTED**

**BUYER** for a large manufacturer of toilet preparations. Must be familiar with both essential and fixed oils. Kindly give full particulars as to experience. Box 482, DRUG & CHEMICAL MARKETS.

**BRANCH MANAGER**—A capable man experienced in wholesale drug business is wanted to take complete charge of branch office of an old jobbing house. Box 460, DRUG & CHEMICAL MARKETS.

**DRUGS & CHEMICALS**

**HAVE FOR DISPOSAL** 150 tons Monohydrate of Soda, original production. Average analysis 74% Na<sub>2</sub>CO<sub>3</sub>, 6% NaCl. Representative sample will be furnished. Request offers whole or part. Box 474, DRUG & CHEMICAL MARKETS.

**PLANT EQUIPMENT**

**WANTED** three filter presses 30 x 30. Must not have been used for oils. Box 439, DRUG & CHEMICAL MARKETS.

**WANTED**—Empty Carboys and drums any quantity, about 10,000 gallon steel tanks. Surplus chemicals. Globe Chemical Company, St. Bernard, Cincinnati, Ohio.

**PLANT EQUIPMENT**

**FOR SALE**—One Worthington pump 5 x 4 x 6. Also several storage tanks. Box 441, DRUG & CHEMICAL MARKETS.

**FOR SALE**—500 gallon cedar tanks practically new in the Newark district. Dealers need not apply. Box 447, DRUG & CHEMICAL MARKETS.

**FOR SALE**—Steel tanks capacity 500-1,000 gallons in good condition for storage purposes. Box 443, DRUG & CHEMICAL MARKETS.

**FOR SALE**—Bradford type mill 28" stone made by O'Wille Simpson, in A-1 condition. Box 467, DRUG & CHEMICAL MARKETS.

**WANTED TO BUY**—Laboratory apparatus, scales, platinum. Box 464, DRUG & CHEMICAL MARKETS.

**MISCELLANEOUS**

**ASK THE** Bureau of Employment of the Chemists' Club (Agency) 52 East 41st Street, New York City. If you need a chemist (man or woman) for the laboratory or works. If you wish a position for the practice of your profession. No charge to employers. Moderate fee to applicants. Prof. Herbert R. Moody, Chairman Club Committee.

# **KIESELGUHR**

(Infusorial Earth)

**GRADES**

<b>Filtration</b>	<b>High and Low Temperature</b>
<b>Filler</b>	<b>Insulation</b>
<b>Polishing</b>	<b>Brick, Powder, Granulated,</b>
	<b>Natural and Calcined</b>

**ORELITE COMPANY, Inc.**

109 BROAD ST., NEW YORK

Telephone Broad 6865

# **Buffalo Foundry & Machine Company**

1579 Fillmore Ave., Buffalo, N. Y.

Manufacturers of

**VACUUM DRYERS  
EVAPORATORS  
CHEMICAL APPARATUS  
COPPERSMITHING**

New York Office: 17 Battery Place

# **Federal Chemical Company of Nitro**

NITRO, W. VA.

Manufacturers of

**PURE ETHYL ALCOHOL  
COLOGNE SPIRITS**

**Completely and Special Denatured  
ALCOHOL, any formulae**

# **Hyposulphite of Soda**

For Tanners Use

**Charles Lennig & Co., Inc.**

Manufacturing Chemists

Office

40 N. Front St.

Philadelphia

Works

Bridesburg

Philadelphia

Published in London Every Friday:

# The Chemical Trade Journal

& Chemical Engineer

(Established 1887)

24/- Per Annum

Every Large Firm in this  
Trade in the United States is a  
Direct Subscriber

American Advertisers  
Who Want Foreign Trade  
Will Find This Paper

The Direct Route  
to Buyers  
in 25 Countries

For Rates, Etc.

265 Strand  
LONDON, W. C.2

## CUTTLE FISH BONE

Bird quality.  
Packed in sizes 2½' to 4'; 4' to 6'; also broken pieces.

**COLOCYNTH**  
(Apples and pulp)

**EUCALYPTUS**  
LEAVES

**HENBANE**  
LEAVES

**HENNA**  
LEAVES

**HOREHOUND**

All quotations are in American currency,  
C. I. F. New York

**Amecousema American Trading House**  
25 Rue St. Augustin, Paris, France  
Cables: "AMECOUSEMA PARIS" All codes

## Compound Solution Cresol U.S.P. IX

**BAIRD & McGUIRE, Inc.**  
Holbrook, Mass. P. O. Box 473  
New York Representative  
JAYNE & SIDEBOTTOM, INC. 17 Battery Place

## Nitrate of Soda

Chilean Nitrate Committee  
DR. W. S. MYERS, Director  
U. S. Delegation

25 MADISON AVE.

NEW YORK



**STERLING BRAND**

**BORAX**

AND

**BORACIC ACID**

Fifteen years on the Market  
and never a complaint ~

**THORKILDSEN-MATHER COMPANY**  
HARRIS TRUST BUILDING  
CHICAGO, U.S.A.

## Buyers' Guide

For full particulars as to products and addresses see Index of Advertisers on the page following.

### HEAVY CHEMICALS

- |                                |                               |
|--------------------------------|-------------------------------|
| J. T. Baker Chemical Co.       | A. Klipstein & Co.            |
| Battelle & Renwick             | Chas. Lennig & Co., Inc.      |
| Chilean Nitrate Committee      | Meteor Products Co.           |
| Church & Dwight                | Mathieson Alkali Works, Inc.  |
| The Cleveland-Cliffs Iron Co.  | The Miner-Edgar Co.           |
| Chas. Cooper & Co.             | Monsanto Chemical Works,      |
| Diamond Alkali Co.             | Clarence Morgan & Co.         |
| The Dow Chemical Co.           | The New Brunswick Chem. Co.   |
| E. I. du Pont de Nemours & Co. | Orelite Co., Inc.             |
| Ellis Jackson & Co.            | Henry W. Peabody & Co.        |
| B. G. Feinberg                 | Nichols Copper Co.            |
| General Chemical Co.           | Pfaltz & Bauer                |
| Grasselli Chemical Co.         | Roessler & Hasslacher Chem.   |
| W. F. George Chemicals, Inc.   | Seaboard Chemical Co.         |
| Wm. S. Gray & Co.              | Semet Solvay Co.              |
| R. W. Greff & Co.              | E. M. Sergeant Co.            |
| Chas. Hardy & Ruperti, Inc.    | Solvay Process Co.            |
| Harshaw, Fuller & Goodwin Co.  | Thorkildsen-Mather Co.        |
| Hans Hinrichs Chem. Corp.      | Victor Chemical Works         |
| Edward Hill's Son & Co.        | The Warner Chemical Co.       |
| T. C. Hoelzer Co.              | Wilkes-Martin-Wilkes Co.      |
| Industrial Chemical Co.        | Isaac Winkler & Bro. Co.      |
| International Salt Co.         | Wishnick-Tumpeer Chemical Co. |
| Jayne & Sidebottom, Inc.       | Jacques Wolf & Co.            |

### FINE CHEMICALS

- |                                   |                                 |
|-----------------------------------|---------------------------------|
| Abbott Laboratories               | Mallinckrodt Chemical Works     |
| Baird & McGuire                   | Mathieson Alkali Wks., Inc.     |
| J. T. Baker Chemical Co.          | May & Baker                     |
| David Berg Industrial Alcohol Co. | Meteor Products Co.             |
| Carbide & Carbon Chem. Corp.      | H. A. Metz & Co.                |
| Antoine Chiris Co.                | The Miner-Edgar Co.             |
| Commonwealth Chemical Corp.       | Monsanto Chemical Works         |
| Charles Cooper & Co.              | Clarence Morgan & Co.           |
| Darco Sales Corp.                 | N. Y. Quinine & Chem. Works     |
| J. E. Dockendorff & Co.           | The Norvell Chemical Corp.      |
| The Dow Chemical Co.              | Perth Amboy Chem. Wks.          |
| Eastman Kodak Co.                 | Pfaltz & Bauer                  |
| Electro Bleaching Gas Co.         | Powers-Weightman-Rosengarten    |
| B. G. Feinberg                    | B. Presman Company              |
| E. Fougere & Co.                  | Roessler & Hasslacher Chem. Co. |
| The Fries & Fries Co.             | Rhodia Chem. Co.                |
| William S. Gray & Co.             | C. P. Schlicke                  |
| Chas. Hardy & Ruperti, Inc.       | Shima Trading Co., Ltd.         |
| Harshaw, Fuller & Goodwin Co.     | Thorkildsen-Mather Co.          |
| Hans Hinrichs Chem. Corp.         | Geo. Uhe                        |
| T. C. Hoelzer Co.                 | Ungerer & Co.                   |
| Hoffman-La Roche Chem. Wks.       | U. S. Industrial Chemical Co.   |
| Industrial Chemical Co.           | Victor Chemical Works           |
| Jayne & Sidebottom, Inc.          | Victor & Hosken                 |
| A. Klipstein & Co.                | Wilkes-Martin-Wilkes Co.        |
| Magnus, Mabec & Reynard, Inc.     | Wishnick-Tumpeer Chemical Co.   |

### DYESTUFFS

- |                                |                                 |
|--------------------------------|---------------------------------|
| Calco Chemical Co.             | The Heller & Merz Co.           |
| John Campbell & Co.            | H. A. Metz & Co.                |
| Dow Chemical Co.               | National Aniline & Chemical Co. |
| Dye Products & Chem. Co.       | The New Brunswick Chem. Co.     |
| E. I. du Pont de Nemours & Co. | Newport Chemical Works          |
| Ellis Jackson & Co.            | Pharma-Chemical Corp.           |
| A. Klipstein & Co.             | Southern Dyestuffs Co.          |
| Gary Chem. Co.                 | Wishnick-Tumpeer Chemical Co.   |
| Grasselli Chemical Co.         | Jacques Wolf & Co.              |

### COAL TAR PRODUCTS

- |                                |                                 |
|--------------------------------|---------------------------------|
| Abbott Laboratories            | Jordan Coal Tar Products Co.    |
| Baird & McGuire                | A. Klipstein & Co.              |
| The Barrett Co.                | H. A. Metz & Company            |
| Calco Chemical Co.             | Monsanto Chemical Works         |
| John Campbell & Co.            | National Aniline & Chemical Co. |
| Dovan Chemical Co.             | Newport Chemical Works          |
| E. I. du Pont de Nemours & Co. | The Norvell Chemical Corp.      |
| Dye Products & Chem. Co.       | Southern Dyestuffs Co.          |
| The Heller & Merz Co.          | Weiss & Downs                   |

### FATTY OILS

- |                    |                    |
|--------------------|--------------------|
| Antoine Chiris Co. | Jacques Wolf & Co. |
|--------------------|--------------------|

### ESSENTIAL OILS

- |                         |                               |
|-------------------------|-------------------------------|
| M. L. Barrett & Co.     | Magnus, Mabec & Reynard, Inc. |
| Belgian Trading Co.     | Morana, Incorporated          |
| W. J. Bush & Co.        | Clarence Morgan & Co.         |
| Antoine Chiris Co.      | Pfaltz & Bauer, Inc.          |
| Delphi Products, Inc.   | Geo. Uhe                      |
| J. E. Dockendorff & Co. | Ungerer & Co.                 |
| The Fries & Fries Co.   | Victor & Hosken               |
| Fritzsche Bros.         |                               |

### CRUDE DRUGS

- |                             |                               |
|-----------------------------|-------------------------------|
| Amecousema Am. Trd'g House  | Magnus, Mabec & Reynard, Inc. |
| M. L. Barrett & Co.         | B. Presman Company            |
| W. J. Bush & Co.            | Shima Trading Co., Ltd.       |
| Hoffman-La Roche Chem. Wks. | Arthur Stallman & Co.         |
| H. R. Lathrop & Co.         |                               |

### EQUIPMENT

- |                               |                             |
|-------------------------------|-----------------------------|
| Armstrong Cork Co.            | The Cleveland Cooperage Co. |
| Buffalo Foundry & Machine Co. | Old Hickory Powder Plant    |

## THE NEWPORT QUALITY

Coal Tar Products

We have stocks of the following products at Passaic, N. J., ready for immediate shipment:

Alpha Naphthylamine

Ortho Nitro Toluol

Ortho Toluidine

Para Toluidine

Sodium Naphthionate

N W Acid

R Salt

Cleves Acid

Para Nitro Toluol

Tolidine Base

Meta Phenylene Diamine

Meta Toluylene Diamine



Newport Chemical Works, Inc.

Passaic, New Jersey



## Painstaking Chemical Control Characterizes Production

of all of our alcohols, esters, and associated products. We are capable of meeting the most exacting specifications of any plant requiring such materials. Conveniently located warehouses insure speedy delivery of standard products, and large well equipped plants, of special materials.

ACETIC ETHER	ETHYL LACTATE
ACETONE	ETHYL OXALATE
AMMONIUM SALTS	ETHYL PHTHALATE
AMYL ACETATE	ETHYLENE
CARBON DIOXIDE	ISOBUTYL ALCOHOL
ETHER, ABSOLUTE	ISOPROPYL ALCOHOL
ETHER, ANESTHESIA	IODINE, DISTILLED
ETHER, U. S. P.	MONACETIN
ETHYL ACETATE	NORMAL PROPYL ALCOHOL
ETHYL ACETO-ACETATE	POTASH SALTS
ETHYL ALCOHOL, ABSOLUTE	POTASSIUM IODIDE
ETHYL ALCOHOL, C. P. 96%	REFINED FUSEL OIL
ETHYL FORMATE	SPECIAL ESTERS
AMYL ALCOHOL	TINCTURE IODINE

## U. S. INDUSTRIAL CHEMICAL CO.

Executive Offices, 110 E. 42nd St., New York

### Sales Offices and Warehouses

BALTIMORE So. Baltimore	CINCINNATI 4609 Eastern Ave.	NEW ORLEANS Maison Blanche Bldg.
BOSTON 131 Beverly St.	CLEVELAND Perry Payne Bldg.	NEWARK 238 Wilson Ave.
Boston 14, Mass.	DETROIT Union Trust Bldg.	PHILADELPHIA 141 No. Front St.
BUFFALO 4th and Jersey Sts.	KANSAS CITY 1409 W. 10th St.	PITTSBURGH Bessemer Building
CHICAGO 3652 Archer Ave.		

## PURE and DENATURED ALCOHOL

For Manufacturing, Industrial,  
Scientific and Technical Purposes

## U.S. INDUSTRIAL ALCOHOL CO.

Largest Producers in the World  
Executive Offices: 110 E. 42nd Street, New York  
Branches in all principal cities

## Index To Advertisers

Abbott Laboratories	1144
Amecousema American Trading House	1156
Armstrong Cork Co.	1087
Baird & McGuire	1156
J. T. Baker Chemical Co.	1131
The Barrett Co.	1096, 1120
M. L. Barrett Co.	1147
Battelle & Renwick	1140
Belgian Trading Co.	1150
David Berg Industrial Alcohol Co.	1084
Ruffalo Foundry & Machine Co.	1155
W. J. Bush & Co.	4th cover
Calco Chemical Co.	1092
John Campbell & Co.	1044
Carbide & Carbon Chemical Corp.	4th cover
The Chemical Trade Journal	1156
Chilean Nitrate Committee	1156
Antoine Chiris Co.	1148
Church & Dwight	1147
The Cleveland-Cliffs Iron Co.	1120
Charles Cooper & Co.	1125
Darco Sales Corp.	1073
Delphi Products, Inc.	1146
Diamond Alkali Co.	1138
J. E. Dockendorff & Co.	1141
Dovan Chemical Co.	1120
The Dow Chemical Co.	1091
E. I. du Pont de Nemours & Co., Lithopone, Pigments & Heavy Chemical Div.	1087
Intermediates Department	1135
Dye Products & Chemical Co.	1068
Eastman Kodak Co.	929
Electro Bleaching Gas Co.	1130
Federal Chemical Co. of Nitro.	1155
H. G. Feinberg	1146
E. Fougere & Co.	1072
The Fries & Fries Co.	1151
Fritzsche Bros.	1149
Gary Chemical Co.	943
General Chemical Co.	1st cover, 1126, 1128
W. F. George Chemicals, Inc.	1153
Grasselli Chemical Co.	1122
William S. Gray & Co.	4th cover
R. W. Greeff & Co.	1136
Chas. Hardy & Rupert, Inc.	1116
Harshaw, Buller & Goodwin Co.	1118
The Heller & Merz Co.	1118
Edward Hill's Son & Co.	1139
Hans Hinrichs Chemical Corp.	4th cover
Hoffman-LaRoche Chemical Works	1129
Industrial Chemical Co.	1135
Industrial Research & Trade Labs.	1154
International Salt Co.	1083
Ellis Jackson & Co.	1118
Jayne & Sidebottom, Inc.	1130
Jordan Coal Tar Products Co.	1153
A. Kipsstein & Co.	1127
H. R. Lathrop & Co.	1145
Chas. Lennig & Co., Inc.	1155
McKechnie Bros., Ltd.	1146
Magnus, Mabee & Reynard, Inc.	1150
Mallinckrodt Chemical Works	4th cover
Mathieson Alkali Works	1093
May & Baker	1147
Meteor Products Co.	1070
H. A. Metz & Co.	1154
The Miner-Edgar Co.	1133
Consato Chemical Works	2nd cover, 1151
Morano, Incorporated	1149
Clarence Morgan & Co.	1152
National Aniline & Chemical Co.	1116, 1122
New Brunswick Chemical Co.	1095
Newport Chemical Works	1157
New York Quinine & Chemical Works.	1125
Nichols Copper Co.	1145
Norvell Chemical Corp.	1152
Old Hickory Powder Plant	1154
Orelite Co., Inc.	1155
Henry W. Peabody & Co.	1152
Pfaltz & Bauer	1083
Pharma-Chemical Corp.	1064
Powers-Weightman-Rosengarten Co.	1125
B. Presman Company	1074
Rhodia Chemical Co.	1140
The Roessler & Hasslacher Chemical Co.	1143
Seaboard Chemical Co.	1116
The Selden Co.	1124
Semet-Solvay Co.	1128
E. M. Sergeant Co.	999
Shima Trading Co., Ltd.	1144
Southern Dyestuffs Co.	1070
Arthur Stallman & Co.	1147
Thorkildsen-Mather Co.	1156
Geo. Uhe	1146
Ungerer & Co.	1148
U. S. Industrial Alcohol Co.	1158
U. S. Industrial Chemical Co.	1158
Victor Chemical Works	1132
Victor & Hosken	1094
The Warner Chemical Co.	1011
Weiss & Downs	1011
Wilkes-Martin-Wilkes Co.	1125
Wing & Evans	1137
Isaac Winkler & Bro. Co.	1118
Jacques Wolf & Co.	906

**TEXTILE**

**PAPER**

**RUBBER**

**LEATHER**

**CHEMICALS**

**DRUG & CHEMICAL MARKETS**

A Weekly Business Paper for Those Who Make, Sell, or Buy Chemicals, Dyestuffs, Drugs, and Fatty Oils

ISSUED EVERY WEDNESDAY

Established 1914

Volume VIII

No. 1

**GENE**

**YORK COMPANY**

**In This Issue** How the Flexible By C. R.

You can reach every firm in these five big industries each month during 1924 in this one paper. Ask us how little it costs.

**OIL SWEET ORANGE****CALIFORNIAN***Consult October Price List  
for Other Specialties***W. J. BUSH & CO., Inc.**

370 SEVENTH AVE., NEW YORK, N. Y.

Also at: 394 St. Paul St., W. Montreal

**Beechwood Creosote****Creosote U. S. P.****Creosote Carbonate****Guaiacol Pure****Guaiacol Carbonate***Correspondence Solicited***MALLINCKRODT CHEMICAL WORKS**

St. Louis

New York

**DIETHYL SULPHATE***The Most Satisfactory General  
Ethylating Agent***No Autoclaves Necessary****Non Volatile****Non Toxic****Non Inflammable****Non Corrosive***Technical and C. P. Grades*

Acetaldehyde  
 Acetalcohol  
 Acetylene Tetrachloride  
 Diethyl Sulphate  
 Ethylene Chlorhydrin  
 Ethylene Dichloride  
 Ethylene Glycol  
 Ethylene Oxide  
 Glycol Diacetate  
 Hexachlorethane  
 Isopropyl Chloride  
 Isopropanol  
 (Isopropyl Alcohol)  
 Paraldehyde  
 Propylene Chlorhydrin  
 Propylene Dichloride  
 Propylene Glycol  
 Propylene Oxide  
 Pentachlorethane  
 Perchlorethylene  
 Trichlorethylene

*These chemicals were de-  
 veloped and are made by  
 us. Consult our Research  
 Department about them.*

**CARBIDE AND CARBON CHEMICALS CORPORATION**

CARBIDE AND CARBON BUILDING, 30 EAST FORTY-SECOND STREET, NEW YORK

Telephone Vanderbilt 5700

**HANS HINRICHS CHEMICAL  
CORPORATION**

30 CLIFF STREET

NEW YORK CITY

**TARTARIC ACID U.S.P.****Powdered****WM. S. GRAY & CO.**

342 MADISON AVE.

New York City

**DENATURED ALCOHOL**  
(ALL FORMULAS)**METHANOL WOOD ALCOHOL**  
(ALL GRADES)**FORMALDEHYDE**

